भारतीय मानक
Indian Standard

IS 3370 (Part 4/Sec 2) : 2021

जलीय तरल पदार्थों को प्रतिधारित करने के लिए कंक्रीट संरचनाएँ — रीति संहिता

भाग 4 डिजाइन तालिकाएँ

अनुभाग 2 आयताकार टैंक

(पहला पुनरीक्षण)

Concrete Structures for Retaining Aqueous Liquids — Code of Practice

Part 4 Design Tables

Section 2 Rectangular tanks

(First Revision)

ICS 23.020.01; 91.080.40

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
मानक भवन, 9 बहादुरशाह ज़फर मार्ग, नई दिल्ली – 110002
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI-110002
www.bis.gov.in www.standardsbis.in

March 2021 **Price ₹ 3050.00**

Cement and Concrete Sectional Committee, CED 02

FOREWORD

This Indian Standard (Part 4/Sec 2) (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Cement and Concrete Sectional Committee had been approved by the Civil Engineering Division Council.

The design and construction methods in reinforced concrete and prestressed concrete structures for retaining aqueous liquids are influenced by the prevailing construction practices, the physical properties of the materials and the climatic condition. To lay down uniform requirements of structures for the retaining liquids giving due consideration to the above mentioned factors, this standard has been published in four parts. The other parts in the series are:

Part 1 General requirements

Part 2 Plain and reinforced concrete

Part 3 Prestressed concrete

This standard was first published in 1967. The present revision has been brought out with a view to keeping abreast with the rapid development in the field of structural analysis and the results available from finite element analyses of rectangular plates and tanks, and circular tanks (without prestressing), and also to bring further modifications in the light of experience gained while applying the earlier version of this standard. In this revision, the title of the standard has been modified from 'Concrete structures for storage of liquids — Code of practice: Part 4 Design tables' to 'Concrete structures for retaining aqueous liquids — Code of practice: Part 4 Design tables' for better representation of the contents of the revised standard. Furthermore, this standard (Part 4) has been trifurcated into 3 sections for giving due emphasis to each topic covered and convenience of use and handling:

Sec 1 Plates

Sec 2 Rectangular tanks

Sec 3 Circular tanks

This standard (Part 4/Sec 2) deals with design tables for rectangular tanks. The object of the design tables covered in this part is mainly to present data for ready reference of designers and as an aid to speedy design calculations. The designer has the option to adopt any established method of analysis, such as classical elastic plate analysis, finite element analysis, or use of deign tables given in this standard as long as the design complies with the requirements of IS 3370 (Parts 1 to 3), and the structural adequacy and safety shall be ensured.

Tables relating to design of rectangular as well as cylindrical tanks have been given and by proper combination of various tables it may be possible to design different types of tanks involving many sets of conditions for rectangular and cylindrical containers built in or on ground.

Some of the data given in the tables for design of rectangular tanks may be used for design of some of the earth retaining structures subjected to earth pressure for which hydrostatic type of loading may be suitably substituted by earth pressure in the design calculations. The circular tanks having radius of curvature greater than 12 times the panel width, in plan and wall panels stiffened by counterforts may be analysed as rectangular panels neglecting the shell action due to curvature. However, such panels should have horizontal tension compatibility which is to be calculated with reactions of panels at the junction.

In this standard it has been assumed that the design of liquid retaining structures, whether of plain, reinforced or prestressed concrete is entrusted to a qualified engineer and that the execution of the work is carried out under the direction of a qualified and experienced engineer.

The requirements of IS 456 : 2000 'Plain and reinforced concrete — Code of practice (*fourth revision*)' and IS 1343 : 2012 'Prestressed concrete — Code of practice (*second revision*)', in so far as they apply, shall be deemed to form part of this standard except where otherwise laid down in this standard.

Following are the significant modifications incorporated in this revision:

a) Title of the standard has been modified from 'Concrete structures for storage of liquids — Code of practice: Part 4 Design tables' to 'Concrete structures for retaining aqueous liquids — Code of practice: Part 4 Design tables, Section 2 Rectangular tanks'.

(*Continued on third cover*)

CONTENTS

Page No.

LIST OF FIGURES

LIST OF TABLES

Page No.

Page No.

Page No.

Page No.

Page No.

Page No.

Page No.

Page No.

Page No.

Page No.

Page No.

Page No.

Page No.

Page No.

Indian Standard

CONCRETE STRUCTURES FOR RETAINING AQUEOUS LIQUIDS — CODE OF PRACTICE

PART 4 DESIGN TABLES

Section 2 Rectangular tanks

(First Revision)

1 SCOPE

This standard (Part 4/Sec 2) gives design tables of deflection and moment coefficients for rectangular tanks for use as an aid in the design of rectangular reinforced concrete structures for retaining liquids.

2 REFERENCES

The following standards contain provision, which through reference in this text constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of the standards indicated below:

IS No.	*Title*
456 : 2000	Plain and reinforced concrete — Code of practice (*fourth revision*)
3370 (Part 4/Sec 1) : 2020	Concrete structures for retaining aqueous liquids — Code of practice: Part 4 Design tables, Section 1 Plates (*first revision*)

3 SINGLE-CELL RECTANGULAR TANKS

3.1 Rectangular Tank Analysis Results

The design coefficients for deflection (δ_c) and moments (M_{xc}, M_{yc}, $M_{zc,}$ M_{xyc}) for rectangular tanks with different loading configurations and end-restraint conditions (*see* **3.1.3**) obtained from finite element analyses of tanks have been tabulated in Table 2 to 273.

3.1.1 *Shear*

The shear coefficient (C_s) given in IS 3370 (Part 4/Sec 1) for design of plates having fixed side edges may be used for design of rectangular tanks.

3.1.2 *Deflection*

Deflection, δ, in mm, is given by the following equation:

$$\delta = 12\ \delta_c\ q\ a^4\ (1 - \mu^2) / (1\ 000\ E_c\ t^3)$$

where

δ_c = deflection coefficient (*see* col 3 of Table 1);

q = kwa, pressure at bottom of plate for triangular load distribution, MPa

= kw, pressure uniformly applied along height of plate, MPa;

k = coefficient for active or passive earth pressure, whichever is applicable = 1, for liquids;

w = unit weight of liquid (or soil), N/mm^3;

a = height of loaded portion of plate, mm;

μ = Poisson’s ratio of concrete (may be taken as 0.15, in absence of test results);

E_c = Modulus of elasticity of concrete, MPa (*see* IS 456); and

t = thickness of wall, mm.

3.1.3 *Moment*

Moment per unit width, in N-m/m is given by the following equations:

$$M_x = M_{xc}\ q\ a^2/1\ 000$$
$$M_y = M_{yc}\ q\ a^2/1\ 000$$
$$M_z = M_{zc}\ q\ a^2/1\ 000$$
$$M_{xy} = M_{xyc}\ q\ a^2/1\ 000$$
$$M_{yz} = M_{yzc}\ q\ a^2/1\ 000$$

where,

M_x = moment per unit width about the x-axis stretching the fibres in the y-direction when the plate is in the x-y plane. The moment is used to determine steel in the y-direction of the plate (*see* Fig.1);

M_y = moment per unit width about the y-axis stretching the fibres in the x-direction when the plate is in the x-y plane, or in the z-direction when the plate is in the y-z plane. The moment is used to determine steel in the x or z direction of the plate (*see* Fig.1);

M_z = moment per unit width about the z-axis stretching the fibres in the y-direction when the

plate is in the y-z plane. The moment is used to determine steel in the y direction of the plate (*see* Fig.1);

M_{xy} = torsion moment per unit width for the plate in the x-y plane (*see* Fig.1);

M_{yz} = torsion moment per unit width for the plate in the y-z plane (*see* Fig.1);

M_{xc} = moment coefficient for computation of M_x (*see* col 4 of Table 1);

M_{yc} = moment coefficient for computation of M_y (*see* col 4 of Table 1);

M_{zc} = moment coefficient for computation of M_z (*see* col 4 of Table 1);

M_{xyc} = moment coefficient for computation of M_{xy} (*see* col 4 of Table 1). These are given in absolute values in the respective tables; and

M_{yzc} = moment coefficient for computation of M_{yz} (*see* col 4 of Table 1). These are given in absolute values in the respective tables.

3.1.4 *Loading Configurations and End-restraint Conditions*

The various loading configurations and end-restraint conditions of rectangular tanks for which deflection (δ_c) and moment (M_{xc}, M_{yc}, M_{zc}, M_{xyc} *and* M_{yzc}) coefficients have been tabulated in Tables 2 to 273 are given in Table 1.

3.2 General Assumptions in Design

The moment coefficients given in IS 3370 (Part 4/ Sec 1) for design of plates may be used for tanks that have square plan dimensions.

For rectangular tanks, the plate analysis results are, however, not applicable as they do not account for moment distribution that occurs between the walls of different stiffnesses. Adjustments must be made similar to the modification of fixed-end moments in a frame analyzed by moment distribution. However, it must be noted that moment distribution method may not be applied as easily to continuous tank walls as it can to framed structures due to two-way action of each plate. Bending moments must be distributed simultaneously along the entire length of the side edge so that moments become equal at both sides at any point of the edge. Moreover, tanks will develop in-plane axial compression or tension. Effects of the tension force, if significant, should be recognized. If significant compression forces are developed, the reduction in the effective stiffness of the member may also need to be considered.

4 MULTI-CELL RECTANGULAR TANKS

4.1 Multi-cell Tanks

4.1.1 Rectangular tanks may have interior walls making it a multi-cell unit, in which moment at the junctions of wall may be determined using the approach given below.

Moments in the walls of a multi-cell tank are almost same as in single-cell tanks, expect at corners where more than two walls intersect because each wall plate has two-way action due to which carry-over effect of moment adjustment at one edge has a very small effect on opposite edge, which may be neglected.

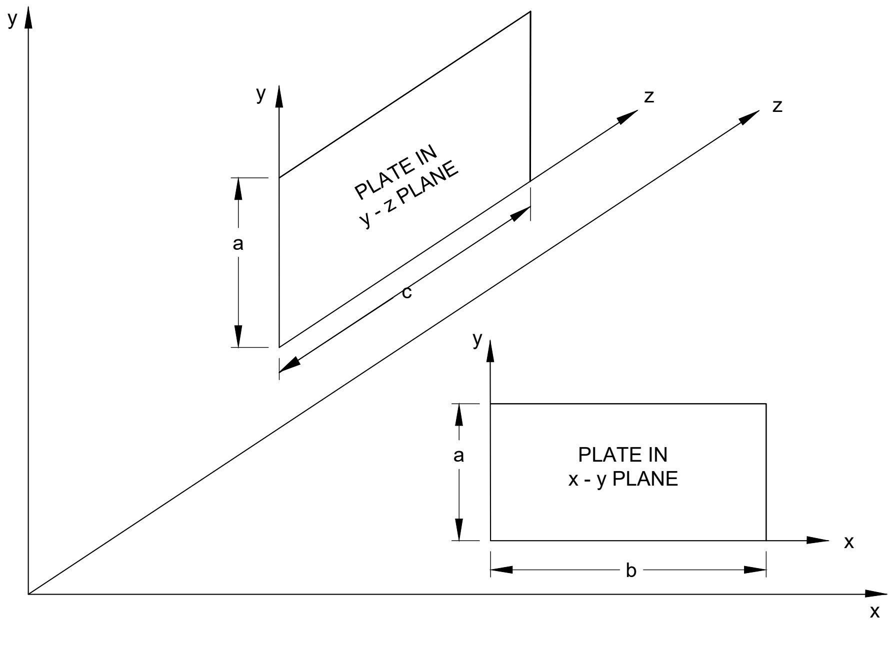


FIG. 1 COORDINATE SYSTEM FOR RECTANGULAR TANKS

Table 1 Loading Configurations and End-restarint Conditions for Rectangular Tanks

(*Foreword, Clauses* 3.1.2, 3.1.3 *and* 3.1.4)

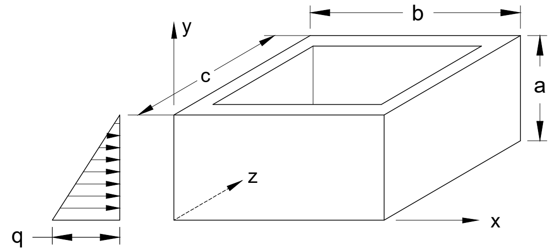
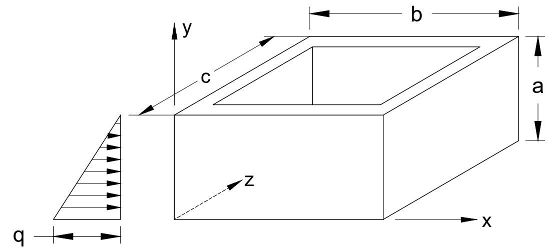
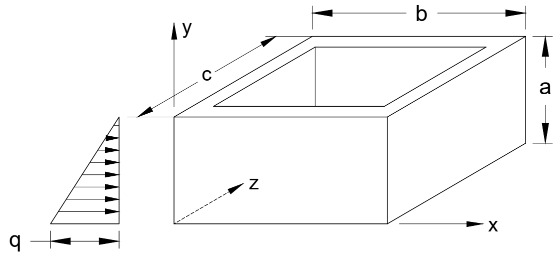
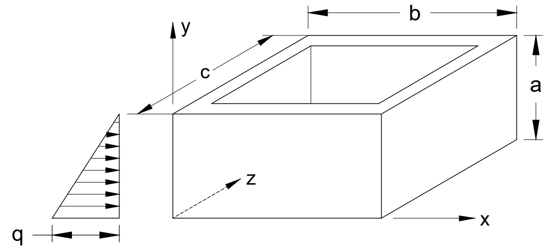
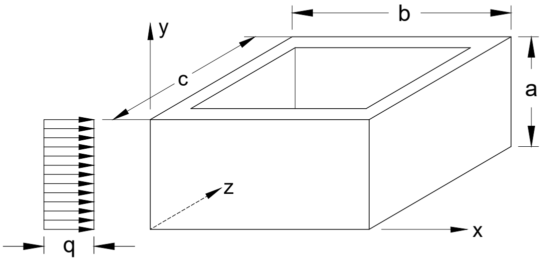
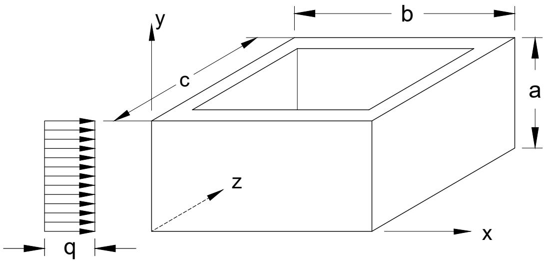
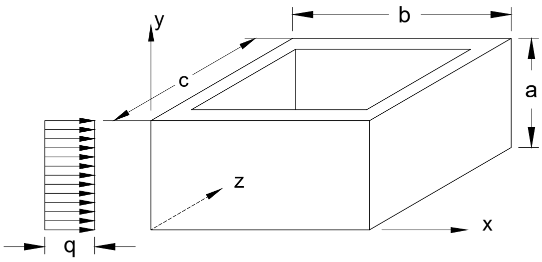
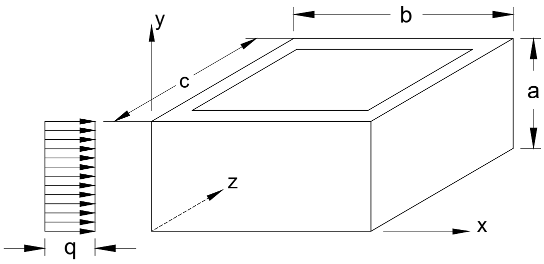
Case	**Figure** (*see* **Note 1)**	**Tables of, Ref to**	
		Deflection Coefficients, δ_c	Moment Coefficients, M_{xc}, M_{yc}, M_{zc}, M_{xyc} *and* M_{yzc}
(1)	(2)	(3)	(4)
Case 1	 a) Hinged top, hinged base, subjected to triangular loading	Tables 2 to 5	Tables 6 to 35
Case 2	 b) Free top, hinged base subjected to traingular loading	Tables 36 to 39	Tables 40 to 69
Case 3	 c) Free top, fixed base, subjected to triangular loading	Tables 70 to 73	Tables 74 to 103
Case 4	 d) Hinged top, fixed base, subjected to triangular loading	Tables 104 to 107	Tables 108 to 137

Table 1 (*Concluded*)

Case	Figure (*see* Note 1)	Tables of, Ref to	
		Deflection Coefficients, δ_c	Moment Coefficients, M_{xc}, M_{yc}, M_{zc}, M_{xyc} *and* M_{yzc}
(1)	(2)	(3)	(4)
Case 5	 e) Hinged top, hinged base, subjected to uniformly distributed loading	Tables 138 to 141	Tables 142 to 171
Case 6	 f) Free top, hinged base, subjected to uniformly distributed loading	Tables 172 to 175	Tables 176 to 205
Case 7	 g) Free top, fixed base, subjected to uniformly distributed loading	Tables 206 to 209	Tables 210 to 239
Case 8	 h) Hinged top, fixed base, subjected to uniformly distributed loading	Tables 240 to 243	Tables 244 to 273

NOTE — *b* is span of longer wall and *c* is the span of shorter wall in plan.

Design moment coefficients for the rectangular tanks given in **3** apply to L-shaped corners (where two walls meet) of multi-cell tanks (*see* Fig. 2A) as well as to interior sections in all walls and are known as M_{Lc} coefficients.

Where more than two walls are meeting, the junctions may be treated as given in **4.1.2** and **4.1.3**.

4.1.2 *Analysis of T-shaped Walls (Junction of Three Walls)*

Fig. 2B shows a typical T-shaped wall.

If the continuous wall, or top of the T, is part of the long sides of two adjacent rectangular cells, the moment in the continuous wall at the intersection is maximum when both cells are filled. The intersection is then fixed and moment coefficients, designated as M_{Fc} coefficients, may be taken from IS 3370 (Part 4/Sec 1), depending on edge conditions at top and bottom.

If the continuous wall is part of the short sides of two adjacent rectangular cells, moment at one side of the intersection is maximum, when the cell on that side is filled while the other cell is empty, and the end moment in the centre wall is maximum when only one cell is filled. For this loading condition, the magnitude of moment, M lies between the M_{Lc} and the M_{Fc} coefficients and the same may be obtained from the following equation:

$$M = M_{Lc} - \left[\frac{n}{n+2} (M_{Lc} - M_{Fc}) \right]$$

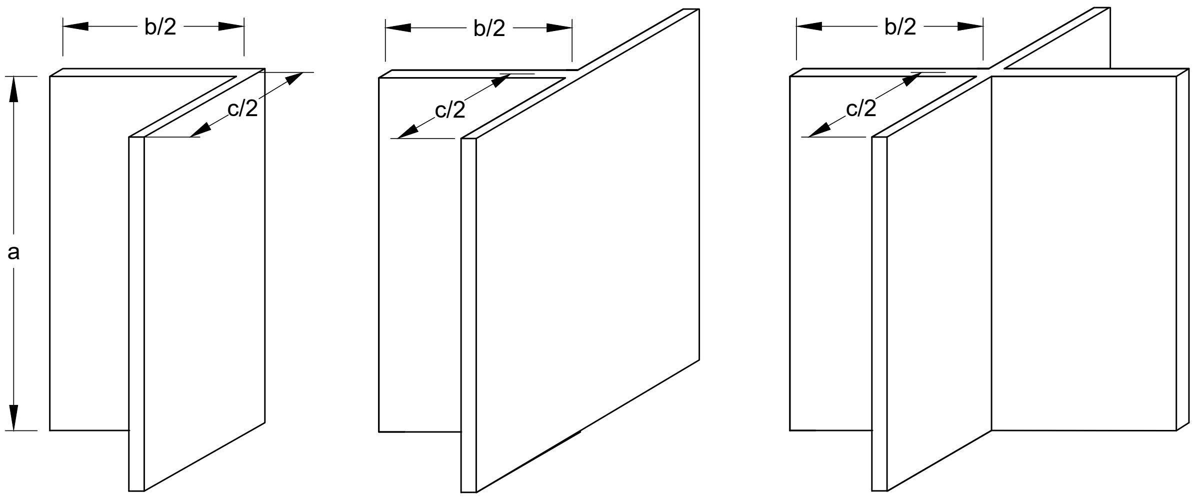
where, n = number of adjacent unloaded walls.

4.1.3 *Analysis of Cross-shaped Walls (Junction of Four Walls)*

Fig. 2C shows a typical cross-shaped wall.

If intersecting walls are the walls of square cells, moments at the intersection are maximum when any two cells are full, and the M_{Fc} coefficients from IS 3370 (Part 4/Sec 1) apply because there is no rotation of the joint.

If the cells are rectangular, moments in the longer of the intersecting walls will be maximum when two cells on the same side of the wall under consideration are filled, again the M_{Fc} coefficients apply. Maximum moments in the shorter wall adjacent to the intersection occur when diagonally opposite cells are filled, and for this condition the M_{Lc} coefficients apply.



2A L-SHAPED CORNER 2B T-SHAPED JUNCTION 2C CROSS-SHAPED JUNCTION

FIG. 2 WALL INTERSECTIONS IN MULTI-CELL TANKS

Table 2 Deflection Coefficients along Long Side, Mid-height ($y = a/2$) for Tanks having Case 1 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	x / c/a	END	0.1b / 0.9b	0.2b / 0.8b	0.3b / 0.7b	0.4b / 0.6b	0.5b
4.0	3.0	0	2.30	4.70	5.80	6.20	6.30
4.0	2.0	0	2.30	4.70	5.80	6.20	6.30
4.0	1.5	0	2.40	4.70	5.80	6.20	6.30
4.0	1.0	0	2.60	4.80	5.80	6.30	6.30
4.0	0.5	0	2.80	4.90	5.90	6.30	6.40
3.0	2.0	0	1.60	3.60	5.00	5.60	5.80
3.0	1.5	0	1.70	3.70	5.00	5.70	5.90
3.0	1.0	0	1.80	3.80	5.10	5.70	5.90
3.0	0.5	0	2.10	4.00	5.20	5.80	6.00
2.0	1.5	0	0.90	2.20	3.30	4.00	4.30
2.0	1.0	0	1.00	2.40	3.50	4.20	4.40
2.0	0.5	0	1.20	2.80	3.70	4.40	4.60
1.5	1.0	0	0.60	1.40	2.20	2.70	2.90
1.5	0.5	0	0.80	1.70	2.50	3.00	3.10
1.0	0.5	0	0.30	0.70	1.00	1.20	1.30

Table 3 Deflection Coefficients along Short Side, Mid-height ($y = a/2$) for Tanks Having Case 1 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 and 3.1.4)

b/a	z / c/a	END	0.1c / 0.9c	0.2c / 0.8c	0.3c / 0.7c	0.4c / 0.6c	0.5c
4.0	3.0	0	1.60	3.60	5.00	5.60	5.80
4.0	2.0	0	0.80	2.10	3.30	3.30	4.20
4.0	1.5	0	0.30	1.10	1.90	1.90	2.60
4.0	1.0	0	0.00	0.10	0.40	0.40	0.60
4.0	0.5	0	-0.20	-0.30	-0.40	-0.40	-0.40
3.0	2.0	0	0.80	2.10	3.30	3.30	4.20
3.0	1.5	0	0.30	1.10	1.90	1.90	2.60
3.0	1.0	0	0.00	0.10	0.40	0.40	0.60
3.0	0.5	0	-0.20	-0.30	-0.40	-0.40	-0.40
2.0	1.5	0	0.40	1.20	1.90	1.90	2.60
2.0	1.0	0	0.00	0.20	0.40	0.40	0.60
2.0	0.5	0	-0.20	-0.30	-0.30	-0.30	-0.40
1.5	1.0	0	0.00	0.20	0.50	0.50	0.70
1.5	0.5	0	-0.10	-0.20	-0.30	-0.30	-0.30
1.0	0.5	0	-0.10	-0.10	-0.20	-0.20	-0.20

Table 4 Deflection Coefficients along Long Side, Mid-span (x = *b*/2) for Tanks having Case 1 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	y / c/a	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0		0	2.10	4.00	5.30	6.10	6.30	5.90	5.00	3.60	1.90	0
4.0	2.0	0	2.10	4.00	5.30	6.10	6.30	5.90	5.00	3.60	1.90	0
4.0	1.5	0	2.10	4.00	5.30	6.10	6.30	5.90	5.00	3.60	1.90	0
4.0	1.0	0	2.10	4.00	5.40	6.20	6.30	5.90	5.00	3.60	1.90	0
4.0	0.5	0	2.10	4.00	5.40	6.20	6.40	5.90	5.00	3.60	1.90	0
3.0	2.0	0	2.00	3.70	4.90	5.70	5.80	5.50	4.60	3.30	1.70	0
3.0	1.5	0	2.00	3.70	5.00	5.70	5.90	5.50	4.60	3.30	1.70	0
3.0	1.0	0	2.00	3.70	5.00	5.70	5.90	5.50	4.60	3.30	1.70	0
3.0	0.5	0	2.00	3.70	5.00	5.80	6.00	5.60	4.70	3.30	1.70	0
2.0	1.5	0	1.50	2.70	3.70	4.20	4.30	4.00	3.30	2.40	1.20	0
2.0	1.0	0	1.50	2.80	3.80	4.30	4.40	4.10	3.40	2.40	1.30	0
2.0	0.5	0	1.60	2.90	3.90	4.50	4.60	4.20	3.50	2.50	1.30	0
1.5	1.0	0	1.00	1.90	2.50	2.80	2.90	2.60	2.20	1.50	0.80	0
1.5	0.5	0	1.10	2.10	2.70	3.10	3.10	2.90	2.40	1.70	0.90	0
1.0	0.5	0	0.50	0.90	1.20	1.30	1.30	1.20	1.00	0.70	0.30	0

Table 5 Deflection Coefficients along Short Side, Mid-span (z = *c*/2) for Tanks having Case 1 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	y / c/a	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0		0	2.00	3.70	4.90	5.70	5.80	5.50	4.60	3.30	1.70	0
4.0	2.0	0	1.50	2.70	3.60	4.10	4.20	3.90	3.20	2.30	1.20	0
4.0	1.5	0	0.9	1.70	2.30	2.50	2.60	2.30	1.90	1.40	0.70	0
4.0	1.0	0	0.30	0.50	0.60	0.60	0.60	0.50	0.40	0.30	0.10	0
4.0	0.5	0	-0.10	-0.20	-0.30	-0.40	-0.40	-0.40	-0.30	-0.20	-0.10	0
3.0	2.0	0	1.50	2.70	3.60	4.10	4.20	3.9.	3.20	2.30	1.20	0
3.0	1.5	0	0.90	1.70	2.30	2.50	2.60	2.30	1.90	1.40	0.70	0
3.0	1.0	0	0.30	0.50	0.60	0.60	0.60	0.50	0.40	0.30	0.10	0
3.0	0.5	0	-0.10	-0.20	-0.30	-0.40	-0.40	-0.40	-0.30	-0.20	-0.10	0
2.0	1.5	0	0.90	1.70	2.30	2.60	2.60	2.40	1.90	1.40	0.70	0
2.0	1.0	0	0.30	0.50	0.70	0.70	0.60	0.50	0.40	0.30	0.10	0
2.0	0.5	0	-0.10	-0.20	-0.30	-0.40	-0.40	-0.40	-0.30	-0.20	-0.10	0
1.5	1.0	0	0.30	0.60	0.70	0.80	0.70	0.60	0.50	0.30	0.20	0
1.5	0.5	0	-0.10	-0.20	-0.20	-0.30	-0.30	-0.30	-0.30	-0.20	-0.10	0
1.0	0.5	0	0.00	-0.10	-0.10	-0.10	-0.20	-0.20	-0.10	-0.10	-0.10	0

Table 6 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	1	0	0	17	0	0	10	0	0	4	0	0	1	0	0	0	0
0.9a	-3	1	-16	5	17	2	11	10	5	15	4	4	16	1	4	16	0	4
0.8a	-6	1	-32	10	14	4	22	8	9	28	4	8	31	1	7	31	0	7
0.7a	-9	1	-45	15	11	6	32	6	12	40	3	11	44	1	10	44	0	10
0.6a	-11	1	-56	19	7	8	40	3	15	50	1	14	54	0	12	55	0	12
0.5a	-12	0	-62	22	1	9	46	0	17	56	0	15	60	0	14	61	0	13
0.4a	-13	0	-64	24	4	10	48	3	17	58	1	15	62	0	14	63	0	14
0.3a	-12	1	-59	25	10	10	46	6	15	54	2	14	58	1	13	58	0	13
0.2a	-10	1	-48	22	15	8	38	8	12	44	3	11	47	1	10	47	0	10
0.1a	-6	2	-28	15	18	5	23	10	7	27	4	7	28	1	6	28	0	6
BOT.	0	2	0	0	20	0	0	10	0	0	4	0	0	1	0	0	0	0

Table 7 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	1	0	0	17	0	0	14	0	0	8	0	0	4	0	0	0	0
0.9a	-3	1	-16	3	17	0	9	14	4	12	8	5	14	3	4	15	0	4
0.8a	-6	1	-32	6	15	0	17	12	8	24	7	9	28	3	8	29	0	8
0.7a	-9	1	-45	9	12	0	25	9	11	35	5	13	39	2	12	41	0	11
0.6a	-11	1	-56	11	7	0	31	5	14	43	3	15	49	1	14	51	0	14
0.5a	-12	0	-62	14	2	1	36	1	16	49	0	17	55	0	16	57	0	15
0.4a	-13	0	-64	16	4	2	38	4	16	51	2	17	57	1	16	59	0	16
0.3a	-12	1	-59	17	10	3	37	8	15	48	5	16	53	2	15	55	0	14
0.2a	-10	1	-48	15	15	4	32	12	12	40	7	12	44	3	12	45	0	11
0.1a	-6	2	-28	11	20	3	20	14	7	24	8	7	26	3	7	27	0	7
BOT.	0	2	0	0	21	0	0	15	0	0	8	0	0	4	0	0	0	0

Table 8 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, Clauses 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	2	0	0	17	0	0	10	0	0	4	0	0	1	0	0	0	0
0.9a	-3	2	-16	5	16	2	12	10	5	15	4	4	16	1	4	16	0	4
0.8a	-6	2	-31	10	15	4	22	8	9	28	3	8	31	1	7	31	0	7
0.7a	-9	1	-44	15	11	6	32	6	12	40	3	11	44	1	10	44	0	10
0.6a	-11	1	-54	19	7	8	40	3	15	50	1	14	54	0	12	55	0	12
0.5a	-12	0	-61	23	1	9	46	0	17	56	0	15	60	0	14	61	0	13
0.4a	-12	0	-62	25	4	10	48	3	17	58	1	15	62	0	14	63	0	14
0.3a	-12	1	-58	25	10	10	46	6	15	54	2	14	58	1	13	58	0	13
0.2a	-9	2	-47	22	15	8	38	8	12	44	3	11	47	1	10	47	0	10
0.1a	-6	2	-28	15	18	5	23	10	7	27	4	7	28	1	6	28	0	6
BOT.	0	3	0	0	20	0	0	10	0	0	4	0	0	1	0	0	0	0

Table 9 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	2	0	0	14	0	0	15	0	0	11	0	0	6	0	0	0	0
0.9a	-3	2	-16	1	14	-3	5	15	2	8	11	5	10	6	5	10	0	5
0.8a	-6	2	-31	1	12	-7	9	13	5	15	10	9	19	5	10	20	0	11
0.7a	-9	1	-44	2	10	-9	13	10	7	22	7	13	27	4	14	29	0	15
0.6a	11	1	-54	3	6	-10	17	6	9	28	4	16	35	2	18	37	0	18
0.5a	-12	0	-61	4	2	-10	21	1	10	33	1	17	40	0	19	42	0	20
0.4a	-12	0	-62	6	3	-9	23	4	11	35	3	18	42	2	19	44	0	20
0.3a	-12	1	-58	7	8	-7	23	9	11	35	7	16	41	3	18	43	0	18
0.2a	-9	2	-47	7	13	-4	21	14	9	30	10	13	34	5	14	36	0	14
0.1a	-6	2	-28	6	17	-1	14	17	5	19	12	7	21	6	8	22	0	8
BOT.	0	3	0	0	19	0	0	18	0	0	13	0	0	6	0	0	0	0

Table 10 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 and 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	3	0	0	17	0	0	10	0	0	4	0	0	1	0	0	0	0
0.9a	-3	3	-15	5	16	2	12	9	5	15	4	4	16	1	4	13	0	4
0.8a	-6	3	-29	11	14	4	23	8	9	28	3	8	31	1	7	31	0	7
0.7a	-8	2	-41	15	11	6	33	6	12	14	3	11	44	1	10	44	0	10
0.6a	-10	1	-51	20	7	8	41	3	15	50	1	14	54	0	12	55	0	12
0.5a	-11	0	-57	23	1	10	46	0	17	56	0	15	60	0	14	61	0	13
0.4a	-12	1	-59	25	4	10	48	3	17	58	1	15	62	0	14	63	0	14
0.3a	-11	2	-55	26	10	10	46	6	15	55	2	14	58	1	13	58	0	13
0.2a	-9	3	-45	23	15	9	38	8	12	44	3	11	47	1	10	47	0	10
0.1a	-5	4	-27	15	18	5	23	10	7	27	4	7	28	1	6	28	0	6
BOT.	0	4	0	0	20	0	0	10	0	0	4	0	0	1	0	0	0	0

Table 11 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c 0.9c			0.2c 0.8c			0.3c 0.7c			0.4c 0.6c			0.5c		
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	3	0	0	9	0	0	12	0	0	10	0	0	6	0	0	0	0
0.9a	-3	3	-15	-1	9	-5	2	12	1	4	10	4	5	5	5	6	0	6
0.8a	-6	3	-29	-1	8	-10	4	11	1	8	9	7	11	5	10	12	0	11
0.7a	-8	2	-41	-1	7	-13	6	9	2	12	7	10	16	4	14	17	0	15
0.6a	-10	1	-51	-1	5	-16	8	6	3	16	4	13	21	2	17	22	0	19
0.5a	-11	0	-57	-1	2	-17	10	2	4	19	1	15	25	1	19	27	0	20
0.4a	-12	1	-59	0	1	-16	12	2	5	22	2	15	28	1	19	29	0	21
0.3a	-11	2	-55	2	5	-13	14	7	6	23	6	14	28	3	18	30	0	19
0.2a	-9	3	-45	3	9	-9	13	11	5	21	9	12	25	5	14	26	0	15
0.1a	-5	4	-27	3	13	-4	10	15	4	14	11	7	16	6	8	17	0	8
BOT.	0	4	0	0	15	0	0	16	0	0	12	0	0	6	0	0	0	0

Table 12 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	7	0	0	17	0	0	9	0	0	4	0	0	1	0	0	0	0
0.9a	-2	6	-12	6	16	3	12	9	5	15	4	4	16	1	4	16	0	4
0.8a	-5	6	-23	12	14	5	23	8	9	29	3	8	31	1	7	31	0	7
0.7a	-7	4	-34	17	11	7	33	6	12	41	2	11	44	1	10	44	0	10
0.6a	-8	2	-42	22	7	9	42	3	15	51	1	14	54	0	12	55	0	12
0.5a	-10	0	-48	25	1	11	47	0	17	57	0	15	60	0	14	61	0	13
0.4a	-10	2	-50	27	4	12	49	3	17	59	1	15	62	0	14	63	0	14
0.3a	-9	4	-47	27	10	11	47	5	15	55	2	14	58	1	13	58	0	13
0.2a	-8	6	-39	24	15	9	39	8	12	45	3	11	47	1	10	47	0	10
0.1a	-5	7	-24	15	18	6	24	9	7	27	4	7	28	1	6	28	0	6
BOT.	0	8	0	0	19	0	0	10	0	0	4	0	0	1	0	0	0	0

Table 13 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	7	0	0	1	0	0	4	0	0	4	0	0	3	0	0	0	0
0.9a	-2	6	-12	-2	1	-6	-1	4	-2	0	4	1	0	3	3	1	0	3
0.8a	-5	6	-23	-3	1	-11	-1	4	-3	0	4	2	1	2	5	1	0	6
0.7a	-7	4	-34	-4	2	-16	-2	4	-4	1	3	4	2	2	8	3	0	9
0.6a	-8	2	-42	-5	2	-20	-1	3	-5	2	3	5	4	2	10	4	0	12
0.5a	-10	0	-48	-5	2	-22	0	2	-4	3	1	6	6	1	12	7	0	14
0.4a	-10	2	-50	-5	1	-21	1	0	-3	6	0	7	19	0	13	10	0	14
0.3a	-9	4	-47	-3	0	-19	3	2	-2	8	2	8	11	1	12	12	0	14
0.2a	-8	6	-39	-2	2	-14	4	5	0	9	5	7	12	3	10	13	0	11
0.1a	-5	7	-24	0	4	-7	4	7	1	7	7	4	9	4	6	10	0	7
BOT.	0	8	0	0	6	0	0	9	0	0	7	0	0	4	0	0	0	0

Table 14 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for $b/a = 4.0$, $c/a = 0.5$

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	11	0	0	16	0	0	9	0	0	4	0	0	1	0	0	0	0
0.9a	-2	11	-9	7	16	3	12	8	5	15	3	4	16	1	4	16	0	4
0.8a	-3	9	-17	13	14	6	24	7	9	29	3	8	31	1	7	31	0	7
0.7a	-5	7	-25	19	11	9	34	5	12	41	2	11	44	1	10	45	0	10
0.6a	-6	4	-31	24	6	11	43	3	15	51	1	13	54	0	12	55	0	12
0.5a	-7	1	-35	28	1	13	48	0	17	57	0	15	60	0	14	61	0	13
0.4a	-7	3	-37	30	4	13	50	3	17	59	1	15	62	0	14	63	0	14
0.3a	-7	6	-35	29	10	13	48	5	15	55	2	14	58	1	13	59	0	13
0.2a	-6	10	-30	25	14	10	39	7	12	45	3	11	47	1	10	47	0	10
0.1a	-4	12	-19	16	18	6	24	9	7	27	3	6	28	1	6	28	0	6
BOT.	0	13	0	0	19	0	0	9	0	0	4	0	0	1	0	0	0	0

Table 15 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	11	0	0	7	0	0	5	0	0	3	0	0	1	0	0	0	0
0.9a	-2	11	-99	-2	7	-9	-2	5	-5	-2	3	-4	-2	1	-4	-2	0	-36
0.8a	-3	9	-17	-4	6	-17	-4	4	10	-4	2	-8	-4	1	-7	-4	0	-6
0.7a	-5	7	-25	-5	4	-25	-5	3	-14	-5	2	-11	-5	1	-9	-5	0	-9
0.6a	-6	4	-31	-6	2	-31	-6	1	-17	-6	1	-13	-6	0	-11	-6	0	-10
0.5a	-7	1	-35	-7	0	-35	-7	0	-19	-7	0	-14	-66	0	-11	-6	0	-10
0.4a	-7	3	-37	-7	3	-37	-7	2	-18	-6	1	-13	-6	1	-9	-6	0	-8
0.3a	-7	6	-35	-5	5	-35	-5	3	-16	-5	2	-10	-4	1	-7	-4	0	-6
0.2a	-6	10	-30	-3	6	-30	-3	4	-11	-2	2	-6	-1	1	-4	-1	0	-3
0.1a	-4	12	-19	-1	6	-19	-1	3	-5	0	2	-3	1	1	-1	1	0	-1
BOT.	0	13	0	0	6	0	0	3	0	0	1	0	0	0	0	0	0	0

Table 16 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	2	0	0	17	0	0	14	0	0	8	0	0	3	0	0	0	0
0.9a	-3	1	-16	3	17	0	9	13	4	12	7	5	14	3	4	15	0	4
0.8a	-6	1	-31	6	15	0	17	11	8	24	6	9	28	3	8	29	0	8
0.7a	-9	1	-44	9	12	0	25	9	11	35	5	13	39	2	12	41	0	11
0.6a	-11	1	-54	12	7	1	31	5	14	43	3	15	49	1	14	51	0	14
0.5a	-12	0	-61	14	2	2	36	1	16	49	0	17	55	0	16	57	0	15
0.4a	-12	0	-62	16	4	3	38	4	16	51	2	17	57	1	16	59	0	16
0.3a	-12	1	-58	17	10	4	37	8	15	48	5	16	53	2	15	55	0	14
0.2a	-9	1	-47	16	15	4	32	12	12	401	6	12	44	3	12	45	0	11
0.1a	-6	2	-28	11	19	3	20	14	7	24	8	7	26	3	7	27	0	7
BOT.	0	2	0	0	21	0	0	15	0	0	8	0	0	3	0	0	0	0

Table 17 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	2	0	0	14	0	0	15	0	0	11	0	0	6	0	0	0	0
0.9a	-3	1	-16	1	14	-3	5	15	2	8	11	5	10	6	5	10	0	5
0.8a	-6	1	-31	1	12	-7	9	13	5	15	10	9	19	5	10	20	0	11
0.7a	-9	1	-44	2	10	-9	13	10	7	22	7	13	27	4	14	29	0	15
0.6a	-11	1	-54	3	69	-10	17	6	9	28	4	16	35	2	18	37	0	18
0.5a	-12	0	-61	4	2	-10	21	1	10	33	1	17	40	0	19	42	0	20
0.4a	-12	0	-62	6	3	-9	23	4	11	35	3	18	42	2	19	44	0	20
0.3a	-12	1	-58	7	8	-7	23	9	11	35	7	16	41	3	18	43	0	18
0.2a	-9	1	-47	7	13	-4	21	14	9	30	10	13	34	5	14	36	0	14
0.1a	-6	2	-28	6	17	-1	14	17	5	19	12	7	21	6	8	22	0	8
BOT.	0	2	0	0	19	0	0	18	0	0	13	0	0	6	0	0	0	0

Table 18 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	3	0	0	17	0	0	14	0	0	8	0	0	3	0	0	0	0
0.9a	-3	3	-15	3	17	0	9	13	4	12	7	5	14	3	4	15	0	4
0.8a	-6	2	-29	7	15	0	17	11	8	24	6	9	28	3	8	29	0	8
0.7a	-8	2	-41	10	12	1	25	9	12	36	5	13	40	2	12	41	0	11
0.6a	-10	1	-51	12	7	2	32	5	14	43	3	15	49	1	14	51	0	14
0.5a	-11	0	-57	15	2	3	37	1	16	49	0	17	55	0	16	57	0	15
0.4a	-12	1	-59	17	4	4	39	4	16	51	2	17	57	1	16	59	0	6
0.3a	-11	2	-55	17	10	4	38	8	15	49	4	16	54	2	15	55	0	14
0.2a	-9	2	-45	16	15	4	32	11	12	40	6	12	44	3	12	45	0	11
0.1a	-5	3	-27	11	20	3	20	14	7	24	8	7	26	3	7	27	0	7
BOT.	0	4	0	0	21	0	0	15	0	0	8	0	0	3	0	0	0	0

Table 19 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	3	0	0	9	0	0	12	0	0	10	0	0	6	0	0	0	0
0.9a	-3	3	-15	-1	9	-5	2	12	1	4	10	4	5	5	5	6	0	6
0.8a	-6	3	-29	-1	8	-10	4	11	1	8	9	7	11	5	10	12	0	11
0.7a	-8	2	-41	-1	7	-13	6	9	2	12	7	10	16	4	14	17	0	15
0.6a	-10	1	-51	-1	5	-16	8	6	3	16	4	13	21	2	17	22	0	19
0.5a	-11	0	-57	-1	2	-17	10	2	4	19	1	15	25	1	19	27	0	20
0.4a	-12	1	-59	0	1	-16	12	2	5	22	2	15	28	1	19	29	0	21
0.3a	-11	2	-55	2	5	-13	14	7	6	23	6	14	28	3	18	30	0	19
0.2a	-9	3	-45	3	9	-9	13	11	5	21	9	12	25	5	14	26	0	15
0.1a	-5	4	-27	3	13	-4	10	15	4	14	11	7	16	6	8	17	0	8
BOT.	0	4	0	0	15	0	0	16	0	0	12	0	0	6	0	0	0	0

Table 20 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	7	0	0	17	0	0	13	0	0	7	0	0	3	0	0	0	0
0.9a	-2	6	-12	4	17	1	9	13	4	13	7	5	14	3	4	15	0	4
0.8a	-5	5	-23	8	15	2	18	11	8	25	6	9	28	3	8	29	0	8
0.7a	-7	4	-34	11	12	3	26	8	12	36	4	12	40	2	12	41	0	11
0.6a	-8	2	-42	15	7	4	33	5	15	44	2	15	50	1	14	51	0	14
0.5a	-10	0	-48	17	2	5	38	1	16	50	0	17	56	0	16	57	0	15
0.4a	-10	2	-50	19	4	6	40	4	17	52	2	17	57	1	16	59	0	15
0.3a	-9	4	-47	19	10	6	39	8	15	49	4	15	54	2	15	55	0	14
0.2a	-8	5	-39	17	16	6	33	11	12	40	6	12	44	2	12	45	0	11
0.1a	-5	7	-24	12	20	4	20	13	7	25	7	7	26	3	7	27	0	7
BOT.	0	7	0	0	21	0	0	14	0	0	8	0	0	3	0	0	0	0

Table 21 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	7	0	0	1	0	0	4	0	0	4	0	0	3	0	0	0	0
0.9a	-2	6	-12	-2	1	-6	-1	4	-2	0	4	1	0	3	3	1	0	3
0.8a	-5	5	-23	-3	1	-11	-1	4	-3	0	4	2	1	2	5	1	0	6
0.7a	-7	4	-34	-4	2	-16	-2	4	-4	1	3	4	2	2	8	3	0	9
0.6a	-8	2	-42	-5	2	-20	-1	3	-5	2	3	5	4	2	10	4	0	12
0.5a	-10	0	-48	-5	2	-22	0	2	-4	3	1	6	6	1	12	7	0	14
0.4a	-10	2	-50	-5	1	-21	1	0	-3	6	0	7	9	0	13	10	0	15
0.3a	-9	4	-47	-3	0	-19	3	2	-2	8	2	8	11	1	12	12	0	14
0.2a	-8	5	-39	-2	2	-14	4	5	0	9	5	7	12	3	10	13	0	11
0.1a	-5	7	-24	0	4	-7	4	7	1	7	7	4	9	4	6	10	0	7
BOT.	0	7	0	0	6	0	0	9	0	0	7	0	0	4	0	0	0	0

Table 22 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	11	0	0	18	0	0	12	0	0	7	0	0	3	0	0	0	0
0.9a	-2	10	-9	5	17	2	10	12	4	31	7	5	15	3	4	15	0	4
0.8a	-3	9	-17	9	15	3	19	10	9	25	6	9	28	3	8	29	0	8
0.7a	-5	7	-25	13	12	5	28	8	12	36	4	12	40	2	12	41	0	11
0.6a	-6	4	-31	17	7	7	35	5	15	45	2	15	50	1	14	51	0	14
0.5a	-7	1	-35	20	2	8	40	1	17	51	0	17	56	0	16	57	0	15
0.4a	-7	3	-37	22	4	9	42	3	17	53	2	17	58	1	16	59	0	15
0.3a	-7	6	-35	22	10	9	40	7	16	50	4	15	54	2	14	55	0	14
0.2a	-6	9	-30	19	16	8	34	11	12	41	6	12	44	3	11	45	0	11
0.1a	-4	12	-19	13	20	5	21	13	7	25	7	7	27	3	7	27	0	6
BOT.	0	13	0	0	21	0	0	13	0	0	7	0	0	3	0	0	0	0

Table 23 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	11	0	0	7	0	0	5	0	0	3	0	0	1	0	0	0	0
0.9a	-2	10	-9	-2	7	-7	-2	4	-5	-2	3	-4	-2	1	-4	-2	0	-3
0.8a	-3	9	-17	-4	6	-13	-4	4	-10	-4	2	-8	-4	1	-7	-4	0	-6
0.7a	-5	7	-25	-5	4	-19	-5	3	-14	-5	2	-11	-5	1	-9	-5	0	-9
0.6a	-6	4	-31	-6	2	-23	-6	1	-17	-6	1	-13	-6	0	-11	-6	0	-10
0.5a	-7	1	-35	-7	0	-26	-7	0	-19	-6	0	-14	-6	0	-11	-6	0	-10
0.4a	-7	3	-37	-7	3	-26	-6	2	-18	-6	1	-12	-6	1	-9	-6	0	-8
0.3a	-7	6	-35	-6	5	-24	-5	3	-16	-5	2	-10	-4	1	-7	-4	0	-6
0.2a	-6	9	-30	-5	6	-19	-3	4	-11	-2	2	-6	-1	1	-4	-1	0	-3
0.1a	-4	12	-19	-2	6	-10	-1	3	-5	0	2	-3	1	1	-1	1	0	-1
BOT.	0	13	0	0	6	0	0	3	0	0	1	0	0	0	0	0	0	0

Table 24 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b 0.9b			0.2b 0.8b			0.3b 0.7b			0.4b 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	2	0	0	15	0	0	15	0	0	11	0	0	6	0	0	0	0
0.9a	-3	2	-14	1	14	-3	5	15	3	8	11	5	10	5	5	10	0	5
0.8a	-6	2	-28	2	13	-5	10	13	5	16	9	9	19	5	10	21	0	10
0.7a	-8	1	-40	3	10	-7	14	10	7	23	7	13	28	3	14	30	0	15
0.6a	-10	1	-50	4	7	-8	18	6	9	29	4	16	35	2	18	37	0	18
0.5a	-11	0	-56	6	2	-8	22	1	11	34	1	17	40	0	19	43	0	20
0.4a	-12	0	-58	7	3	-7	24	4	11	36	3	18	43	2	19	45	0	20
0.3a	-11	1	-54	8	8	-5	24	9	11	35	6	16	41	3	18	43	0	18
0.2a	-9	2	-44	8	14	-3	22	13	9	30	9	13	35	5	14	36	0	14
0.1a	-5	2	-26	7	18	-1	14	17	6	19	11	7	23	6	8	22	0	8
BOT.	0	3	0	0	20	0	0	18	0	0	12	0	0	6	0	0	0	0

Table 25 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	2	0	0	10	0	0	12	0	0	10	0	0	6	0	0	0	0
0.9a	-3	2	-14	-1	9	-5	2	12	1	4	10	4	5	5	5	6	0	6
0.8a	-6	2	-28	-1	9	-9	4	11	2	8	9	7	11	5	10	12	0	11
0.7a	-8	1	-40	-1	7	-13	6	9	3	12	7	11	16	4	14	17	0	15
0.6a	-10	1	-50	-1	5	-15	8	6	4	16	4	13	21	2	17	23	0	19
0.5a	-11	0	-56	0	2	-16	11	2	5	20	1	15	25	1	19	24	0	20
0.4a	-12	0	-58	1	1	-15	13	2	6	22	2	15	28	1	19	30	0	21
0.3a	-11	1	-54	2	5	-13	14	7	6	23	6	14	28	3	18	30	0	19
0.2a	-9	2	-44	3	9	-9	14	11	6	21	9	12	25	5	14	26	0	15
0.1a	-5	2	-26	3	13	-4	10	15	4	14	11	7	16	6	8	17	0	8
BOT.	0	3	0	0	15	0	0	16	0	0	12	0	0	6	0	0	0	0

Table 26 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b*/*a* = 2.0, *c*/*a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	6	0	0	16	0	0	15	0	0	11	0	0	5	0	0	0	0
0.9a	-2	5	-12	2	15	-2	6	14	3	8	10	5	10	5	5	11	0	5
0.8a	-5	5	-23	3	13	-3	11	13	6	17	9	9	20	4	10	21	0	10
0.7a	-7	4	-33	5	11	-4	16	10	8	24	7	13	29	3	14	31	0	15
0.6a	-8	2	-41	7	7	-5	20	6	11	30	4	16	36	2	17	38	0	18
0.5a	-9	0	-46	8	2	-5	24	1	12	35	1	18	42	0	19	44	0	19
0.4a	-10	2	-49	9	3	-4	26	4	13	38	3	18	44	1	19	46	0	19
0.3a	-9	3	-46	10	9	-2	26	9	12	37	6	16	42	3	17	44	0	18
0.2a	-8	5	-38	10	14	-1	23	13	10	31	9	13	36	4	14	37	0	14
0.1a	-5	6	-23	7	19	0	15	16	6	20	11	8	22	5	8	23	0	8
BOT.	0	6	0	0	20	0	0	18	0	0	12	0	0	6	0	0	0	0

Table 27 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	6	0	0	1	0	0	4	0	0	4	0	0	3	0	0	0	0
0.9a	-2	5	-12	-1	1	-6	-1	4	-1	0	4	1	1	3	3	1	0	3
0.8a	-5	5	-23	-3	2	-11	-1	4	-3	0	4	3	1	2	6	2	0	7
0.7a	-7	4	-33	-4	2	-16	-1	4	-4	1	3	4	2	2	8	3	0	10
0.6a	-8	2	-41	-5	2	-19	-1	3	-4	2	3	5	4	2	10	5	0	12
0.5a	-9	0	-46	-5	2	-21	0	2	-4	4	1	7	6	1	12	7	0	14
0.4a	-10	2	-49	-4	1	-21	1	0	-3	6	0	8	9	0	13	10	0	15
0.3a	-9	3	-46	-3	0	-18	3	2	-2	8	2	8	11	1	13	12	0	14
0.2a	-8	5	-38	-1	2	-13	5	5	0	9	5	7	12	3	10	13	0	11
0.1a	-5	6	-23	0	5	-7	5	8	1	7	7	4	9	4	6	10	0	7
BOT.	0	6	0	0	6	0	0	9	0	0	7	0	0	4	0	0	0	0

Table 28 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b / 0.9b			0.2b / 0.8b			0.3b / 0.7b			0.4b / 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	10	0	0	17	0	0	15	0	0	10	0	0	5	0	0	0	0
0.9a	-2	10	-9	2	16	0	6	14	3	9	10	5	11	5	5	11	0	5
0.8a	-3	9	-17	5	14	0	12	13	7	18	9	9	21	4	10	22	0	10
0.7a	-5	7	-24	7	11	-1	18	10	10	26	6	13	30	3	14	32	0	14
0.6a	-6	4	-30	9	7	0	23	6	12	32	4	16	38	2	17	40	0	17
0.5a	-7	1	-34	11	2	0	26	1	14	37	1	18	43	0	19	45	0	19
0.4a	-7	2	-36	12	3	1	28	4	14	40	3	18	46	1	19	48	0	19
0.3a	-7	6	-35	13	9	2	28	9	14	38	6	17	44	3	17	46	0	17
0.2a	-6	9	-29	12	15	2	25	13	11	32	9	13	37	4	14	38	0	14
0.1a	-4	11	-18	8	20	2	16	16	7	20	11	8	22	5	8	23	0	8
BOT.	0	12	0	0	21	0	0	17	0	0	11	0	0	5	0	0	0	0

Table 29 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table 1, Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c 0.9c			0.2c 0.8c			0.3c 0.7c			0.4c 0.6c			0.5c		
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	10	0	0	7	0	0	4	0	0	3	0	0	1	0	0	0	0
0.9a	-2	10	-7	-2	7	-7	-2	4	-5	-2	3	-4	-2	1	-3	-2	0	-3
0.8a	-3	9	-13	-3	6	-13	--3	4	-10	-3	2	-8	-3	1	-6	-3	0	-6
0.7a	-5	7	-24	-5	4	-18	-5	3	-14	-5	1	-11	-5	1	-9	-5	0	-8
0.6a	-6	4	-30	-6	2	-22	-6	1	-17	-6	1	-12	-6	0	-10	-6	0	-9
0.5a	-7	1	-34	-7	0	-25	-6	0	-18	-6	0	-13	-6	0	-10	-6	0	-9
0.4a	-7	2	-36	-7	2	-25	-6	2	-17	-6	1	-12	-5	1	-9	-5	0	-8
0.3a	-7	6	-35	-6	4	-23	-5	3	-15	-4	2	-9	-4	1	-6	-4	0	-5
0.2a	-6	9	-29	-5	6	-18	-3	4	-11	-2	2	-6	-1	1	-3	-1	0	-2
0.1a	-4	11	-18	-2	6	-10	-1	3	-5	0	1	-2	-1	1	-1	-1	0	0
BOT.	0	12	0	0	5	0	0	2	0	0	1	0	0	0	0	0	0	0

Table 30 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	4	0	0	12	0	0	13	0	0	10	0	0	5	0	0	0	0
0.9a	-2	4	-11	0	12	-3	3	12	2	5	10	4	6	5	5	7	0	6
0.8a	-4	3	-21	1	10	-6	6	11	3	10	8	8	12	4	10	13	0	11
0.7a	-6	3	-30	2	8	-8	9	9	5	15	7	12	18	3	15	20	0	15
0.6a	-8	1	-38	2	6	-9	11	6	6	19	4	14	24	2	18	25	0	19
0.5a	-9	0	-43	3	2	-10	14	2	8	22	1	16	28	0	20	30	0	21
0.4a	-9	1	-46	4	2	-9	16	3	8	25	2	16	30	1	20	32	0	21
0.3a	-9	2	-44	4	6	-8	17	7	8	25	6	15	31	3	18	32	0	19
0.2a	-7	3	-36	5	11	-5	15	12	7	23	9	12	27	5	14	28	0	15
0.1a	-4	4	-22	4	15	-2	11	15	5	15	11	7	17	6	8	18	0	8
BOT.	0	5	0	0	17	0	0	16	0	0	12	0	0	6	0	0	0	0

Table 31 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	4	0	0	2	0	0	5	0	0	5	0	0	3	0	0	0	0
0.9a	-2	4	-11	-1	2	-5	0	5	-1	0	4	2	1	3	3	1	0	3
0.8a	-4	3	-21	-2	2	-10	-1	4	-2	1	4	3	2	2	6	2	0	7
0.7a	-6	3	-30	-3	2	-14	-1	4	-3	2	4	4	3	2	9	4	0	10
0.6a	-8	1	-38	-4	2	-17	0	3	-3	3	3	5	5	2	11	6	0	13
0.5a	-9	0	-43	-4	2	-19	1	2	-3	5	1	6	7	1	13	8	0	14
0.4a	-9	1	-46	-4	1	-19	2	0	-2	7	0	8	9	0	14	11	0	15
0.3a	-9	2	-44	-2	1	-17	4	2	-1	9	3	8	12	2	13	13	0	14
0.2a	-7	3	-36	-1	3	-12	5	5	1	10	5	7	12	3	11	13	0	12
0.1a	-4	4	-22	1	6	-6	5	8	1	8	7	5	9	4	6	10	0	7
BOT.	0	5	0	0	7	0	0	9	0	0	8	0	0	4	0	0	0	0

Table 32 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	9	0	0	14	0	0	13	0	0	10	0	0	5	0	0	0	0
0.9a	-2	8	-8	1	13	-1	4	13	3	6	10	5	7	5	5	7	0	6
0.8a	-3	7	-15	3	12	-2	8	11	5	11	8	9	14	4	11	15	0	11
0.7a	-4	6	-22	4	10	-3	11	9	7	17	7	13	20	3	15	22	0	16
0.6a	-5	4	-27	5	6	-4	14	6	9	22	4	15	26	2	18	28	0	19
0.5a	-6	1	-31	6	2	-4	17	2	10	25	1	17	31	0	20	32	0	21
0.4a	-7	2	-33	7	2	-3	19	3	11	28	2	18	33	1	20	35	0	21
0.3a	-6	5	-32	7	8	-2	19	8	1	28	6	16	33	3	18	34	0	19
0.2a	-5	8	-27	7	13	-1	18	12	9	24	9	13	28	4	14	30	0	15
0.1a	-3	10	-17	6	17	0	12	16	6	16	11	8	18	6	8	19	0	8
BOT.	0	11	0	0	19	0	0	17	0	0	12	0	0	6	0	0	0	0

Table 33 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	9	0	0	6	0	0	4	0	0	2	0	0	1	0	0	0	0
0.9a	-2	8	-8	-2	6	-6	-2	4	-4	-2	2	-3	-2	1	-3	-2	0	-3
0.8a	-3	7	-15	-3	5	-11	-3	3	-9	-3	2	-7	-3	1	-5	-3	0	-5
0.7a	-4	6	-22	-4	4	-16	-4	2	-12	-4	1	-9	-4	1	-7	-4	0	-7
0.6a	-5	4	-27	-5	2	-20	-5	1	-14	-5	0	-11	-5	0	-8	-5	0	-7
0.5a	-6	1	-31	-6	0	-22	-6	0	-16	-5	0	-11	-5	0	-8	-5	0	-7
0.4a	-7	2	-33	-6	2	-23	-5	2	-15	-5	1	-10	-5	1	-7	-4	0	-6
0.3a	-6	5	-32	-5	4	-21	-5	3	-13	-4	2	-8	-3	1	-5	-3	0	-4
0.2a	-5	8	-27	-4	5	-17	-3	3	-9	-2	2	-5	-1	1	-2	-1	0	-1
0.1a	-3	10	-17	-2	5	-9	0	2	-5	1	1	-2	1	0	0	2	0	0
BOT.	0	11	0	0	4	0	0	2	0	0	0	0	0	0	0	0	0	0

Table 34 Moment Coefficients along Long Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	5	0	0	8	0	0	8	0	0	6	0	0	3	0	0	0	0
0.9a	-1	5	-5	0	8	-1	1	8	1	2	6	3	3	3	4	3	0	5
0.8a	-2	4	-10	0	7	-3	3	7	3	4	5	6	5	3	8	6	0	9
0.7a	-3	4	-15	1	6	-4	4	6	4	6	4	9	8	2	12	9	0	13
0.6a	-4	2	-20	1	4	-5	5	4	5	9	3	11	11	2	15	12	0	16
0.5a	-5	1	-23	1	2	-6	7	2	6	11	1	13	14	1	17	14	0	18
0.4a	-5	1	-25	2	1	-6	8	1	6	13	1	14	16	0	17	17	0	18
0.3a	-5	3	-25	2	4	-5	9	4	7	14	3	13	17	2	16	18	0	17
0.2a	-5	5	-23	3	8	-4	9	8	6	14	6	11	18	3	13	17	0	14
0.1a	-3	6	-15	3	11	-2	7	11	4	10	8	6	12	4	8	12	0	8
BOT.	0	7	0	0	13	0	0	12	0	0	9	0	0	5	0	0	0	0

Table 35 Moment Coefficients along Short Side for Rectangular Tanks having Case 1 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	5	0	0	3	0	0	2	0	0	1	0	0	0	0	0	0	0
0.9a	-1	5	-5	-1	3	-4	-1	2	-3	-1	1	-2	-1	0	-1	-1	0	-1
0.8a	-2	4	-10	-2	3	-7	-2	2	-5	-2	1	-3	-2	0	-2	-1	0	-2
0.7a	-3	4	-15	-3	2	-11	-2	1	-7	-2	0	-5	-2	0	-3	-2	0	-3
0.6a	-4	2	-20	-3	1	-14	-3	0	-9	-3	0	-6	-3	0	-4	-3	0	-3
0.5a	-5	1	-23	-4	0	-15	-3	1	-10	-3	1	-6	-3	0	-3	-3	0	-2
0.4a	-5	1	-25	-4	1	-16	-3	1	-10	-3	1	-5	-2	1	-2	-2	0	-1
0.3a	-5	3	-25	-4	2	-16	-3	2	-8	-2	1	-3	-1	1	-1	-1	0	0
0.2a	-5	5	-23	-3	3	-13	-1	2	-6	0	1	-2	1	0	1	1	0	2
0.1a	-3	6	-15	-1	3	-7	0	1	-3	1	0	0	2	0	1	2	0	2
BOT.	0	7	0	0	2	0	0	0	0	0	1	0	0	1	0	0	0	0

Table 36 Deflection Coefficients along Long Side, Mid-height ($y = a/2$) for Tanks having Case 2 Arrangements for Various Length/Height and Width/height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	x / c/a	End	0.1b / 0.9b	0.2b / 0.8b	0.3b / 0.7b	0.4b / 0.6b	0.5b
4.0	**3.0**	0	14.10	34.30	51.80	63.20	67.00
4.0	**2.0**	0	17.40	39.10	57.10	68.60	72.50
4.0	**1.5**	0	18.80	41.00	59.20	70.80	74.70
4.0	**1.0**	0	19.40	41.80	60.10	71.70	75.70
4.0	**0.5**	0	17.90	39.60	57.60	69.10	73.00
3.0	**2.0**	0	7.30	17.30	26.00	31.70	33.70
3.0	**1.5**	0	8.60	19.10	28.10	33.90	35.90
3.0	**1.0**	0	9.30	20.20	29.30	35.20	37.20
3.0	**0.5**	0	8.70	19.20	28.10	33.90	36.00
2.0	**1.5**	0	2.30	5.50	8.30	10.30	10.90
2.0	**1.0**	0	3.00	6.60	9.70	11.70	12.40
2.0	**0.5**	0	3.00	6.60	9.70	11.70	12.40
1.5	**1.0**	0	1.10	2.60	3.90	4.80	5.10
1.5	**0.5**	0	1.40	2.90	4.30	5.30	5.60
1.0	**0.5**	0	0.40	0.80	1.30	1.50	1.60

Table 37 Deflection Coefficients along Short Side, Mid-height ($y = a/2$) for Tanks having Case 2 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	z / c/a	End	0.1c / 0.9c	0.2c / 0.8c	0.3c / 0.7c	0.4c / 0.6c	0.5c
4.0	**3.0**	0	1.60	8.60	15.90	21.00	22.80
4.0	**2.0**	0	-2.80	-2.90	-1.90	-1.00	-0.60
4.0	**1.5**	0	-3.40	-5.00	-5.70	-6.00	-6.00
4.0	**1.0**	0	-2.80	-4.70	-5.90	-6.50	-6.80
4.0	**0.5**	0	-1.20	-2.20	-2.80	-3.20	-3.40
3.0	**2.0**	0	-0.70	0.60	2.30	3.70	4.20
3.0	**1.5**	0	-1.80	-2.30	-2.30	-2.10	-2.00
3.0	**1.0**	0	-1.80	-2.90	-3.60	-3.90	-4.00
3.0	**0.5**	0	-0.90	-1.50	-1.90	-2.20	-2.30
2.0	**1.5**	0	-0.20	-0.40	-1.10	-1.70	-1.90
2.0	**1.0**	0	-0.80	-1.10	-1.30	-1.30	-1.30
2.0	**0.5**	0	-0.50	-0.80	-1.10	-1.20	-1.20
1.5	**1.0**	0	-0.30	-0.30	-0.20	-0.10	0.00
1.5	**0.5**	0	-0.30	-0.50	-0.60	-0.70	-0.70
1.0	**0.5**	0	-0.10	-0.20	-0.20	-0.30	-0.30

Table 38 Deflection Coefficients along Long Side, Mid-span (x = *b*/2) for Tanks having Case 2 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	y / c/a	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	14.10	28.00	41.50	54.50	67.00	79.10	90.80	102.20	113.40	124.70
4.0	**2.0**	0	15.20	30.20	44.80	58.90	72.50	85.70	96.40	110.90	123.20	135.60
4.0	**1.5**	0	15.70	31.10	46.20	60.70	74.70	88.30	101.50	114.40	127.20	140.00
4.0	**1.0**	0	15.90	31.50	46.70	61.40	75.70	89.40	102.80	115.80	128.80	141.80
4.0	**0.5**	0	15.30	30.40	45.10	59.30	73.00	86.20	99.10	111.70	124.10	136.60
3.0	**2.0**	0	7.40	14.60	21.40	27.70	33.70	39.20	44.40	49.30	54.20	59.10
3.0	**1.5**	0	7.90	15.50	22.70	29.60	35.90	41.90	47.50	52.90	58.20	63.50
3.0	**1.0**	0	8.10	16.00	23.50	30.60	37.20	43.40	49.30	54.90	60.50	66.00
3.0	**0.5**	0	7.90	15.50	22.80	29.60	36.00	41.90	47.50	52.90	58.20	63.50
2.0	**1.5**	0	2.70	5.20	7.50	9.40	10.90	12.20	13.30	14.30	15.20	16.10
2.0	**1.0**	0	3.00	5.80	8.40	10.60	12.40	14.00	15.40	16.60	17.70	18.90
2.0	**0.5**	0	3.00	5.90	8.40	10.60	12.40	14.00	15.30	16.50	17.60	18.80
1.5	**1.0**	0	1.40	2.70	3.80	4.60	5.10	5.50	5.80	6.00	6.10	6.30
1.5	**0.5**	0	1.50	2.90	4.10	4.90	5.60	6.00	6.30	6.50	6.70	7.00
1.0	**0.5**	0	0.60	1.00	1.40	1.50	1.50	1.60	1.60	1.50	1.40	1.40

Table 39 Deflection Coefficients along Short Side, Mid-span (z = *c*/2) for Tanks having Case 2 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	y / c/a	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	5.20	10.20	14.80	19.00	22.80	26.20	29.30	32.20	35.00	37.80
4.0	**2.0**	0	0.30	0.50	0.40	0.00	-0.60	-1.50	-2.50	-3.60	-4.80	-5.90
4.0	**1.5**	0	-0.90	-1.90	-3.10	-4.50	-6.00	-7.60	-9.30	-11.00	-1260	-14.30
4.0	**1.0**	0	-1.20	-2.50	-3.90	-5.30	-6.80	-8.20	-9.60	-10.90	-12.20	-13.60
4.0	**0.5**	0	-0.70	-1.40	-2.00	-2.70	-3.40	-4.00	-4.50	-5.00	-5.50	-6.20
3.0	**2.0**	0	1.30	2.40	3.30	3.90	4.20	4.20	4.10	3.80	3.50	3.30
3.0	**1.5**	0	-0.10	-0.30	-0.70	-1.20	-2.00	-2.90	-3.80	-4.80	-5.80	-6.80
3.0	**1.0**	0	-0.70	-1.40	-2.20	-3.10	-4.00	-4.90	-5.80	-6.70	-7.60	-8.50
3.0	**0.5**	0	-0.50	-0.90	-1.40	-1.90	-2.30	-2.70	-3.00	-3.40	-3.70	-4.10
2.0	**1.5**	0	0.70	1.40	1.80	1.90	1.90	1.80	1.50	1.20	0.80	0.50
2.0	**1.0**	0	-0.10	-0.30	-0.50	-0.90	1.30	-1.80	-2.20	-2.60	-3.10	-3.50
2.0	**0.5**	0	-0.20	-0.50	-0.80	-1.00	-1.20	-1.40	-1.60	-1.70	-1.90	-2.00
1.5	**1.0**	0	0.20	0.30	0.30	0.10	0.00	-0.30	-0.50	-0.80	-1.00	-1.20
1.5	**0.5**	0	-0.10	-0.30	-0.50	-0.60	-0.70	-0.80	-0.90	-1.00	-1.00	-1.10
1.0	**0.5**	0	0.00	-0.10	-0.20	-0.20	-0.30	-0.30	-0.30	-0.30	-0.40	-0.40

Table 40 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-39	11	0	0	65	0	0	68	0	0	52	0	0	27	0	0	0	0
0.9a	-52	22	-196	-6	62	-61	5	66	30	11	51	70	14	27	86	14	0	90
0.8a	-46	23	-261	-8	62	-57	12	66	29	22	51	66	27	27	80	28	0	84
0.7a	-41	22	-231	-5	63	-51	19	68	28	32	52	62	38	28	75	40	0	79
0.6a	-37	22	-207	-1	66	-45	27	70	28	41	54	58	48	28	69	50	0	72
0.5a	-33	22	-186	5	69	-37	33	73	27	48	55	53	54	29	63	56	0	66
0.4a	-29	23	-165	10	73	-30	36	75	26	50	57	48	57	29	56	58	0	58
0.3a	-23	23	-143	14	77	-22	37	78	23	48	58	41	53	30	48	55	0	49
0.2a	-17	23	-117	15	81	-14	32	80	20	40	59	33	44	30	38	45	0	39
0.1a	-9	24	-85	11	83	-8	20	82	15	24	60	24	26	31	27	27	0	28
BOT.	0	25	0	0	84	0	0	82	0	0	60	0	0	31	0	0	0	0

Table 41 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-39	11	0	0	17	0	0	29	0	0	26	0	0	15	0	0	0	0
0.9a	-52	22	-196	-12	14	-99	0	27	8	6	25	40	9	14	63	10	0	70
0.8a	-46	23	-261	-16	14	-92	3	26	7	14	25	38	19	15	60	21	0	66
0.7a	-41	22	-231	-14	15	-84	8	28	4	22	26	37	29	15	56	31	0	62
0.6a	-37	22	-207	-10	17	-75	14	30	2	29	28	36	37	16	53	40	0	58
0.5a	-33	22	-186	4	19	-65	20	33	1	35	30	34	44	17	49	46	0	53
0.4a	-29	23	-165	1	23	-54	24	37	4	39	32	32	47	18	44	49	0	48
0.3a	-23	23	-143	6	27	-42	26	40	5	39	34	28	45	19	39	47	0	41
0.2a	-17	23	-117	8	31	-30	24	43	6	33	36	24	38	20	31	39	0	34
0.1a	-9	24	-85	7	34	-19	16	45	6	21	37	17	23	20	23	24	0	24
BOT.	0	25	0	0	36	0	0	46	0	0	37	0	0	21	0	0	0	0

Table 42 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-30	33	-150	0	72	-41	0	71	39	0	53	74	0	28	88	0	0	91
0.9a	-42	40	-209	-4	70	-37	6	70	37	11	53	70	14	28	82	15	0	86
0.8a	-38	41	-188	-4	69	-33	14	70	36	23	53	65	27	28	77	28	0	80
0.7a	-34	41	-170	-1	71	-28	22	71	35	34	54	61	39	28	71	41	0	73
0.6a	-31	41	-155	4	73	-23	29	73	33	43	55	56	49	29	64	51	0	66
0.5a	-28	41	-140	9	77	-17	35	76	31	49	56	50	55	29	57	57	0	59
0.4a	-25	42	-123	14	81	-12	39	79	28	52	58	43	57	30	48	59	0	50
0.3a	--20	43	-102	17	85	-7	38	81	23	49	59	35	54	30	39	55	0	40
0.2a	-15	43	-75	17	89	-3	33	83	17	41	60	25	44	31	28	45	0	28
0.1a	-8	44	-42	12	92	0	21	85	10	25	61	13	26	31	15	27	0	15
BOT.	0	45	0	0	93	0	0	85	0	0	61	0	0	31	0	0	0	0

Table 43 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-30	33	-150	0	18	116	0	5	49	0	0	8	0	1	15	0	0	22
0.9a	-42	40	-209	-15	20	107	-6	7	45	-1	1	6	2	0	15	3	0	22
0.8a	-38	41	-188	-20	20	99	-7	8	40	1	2	4	6	0	16	7	0	23
0.7a	-34	41	-170	-19	19	90	-5	7	34	5	1	1	11	1	18	13	0	23
0.6a	-31	41	-155	-15	19	79	-1	5	28	11	1	2	17	2	18	20	0	24
0.5a	-28	41	-140	-11	17	67	5	3	22	16	3	5	23	3	19	26	0	23
0.4a	-25	42	-123	-6	14	54	9	1	15	21	5	7	28	4	18	30	0	22
0.3a	-20	43	-102	-2	11	40	13	4	9	23	8	8	29	5	16	31	0	19
0.2a	-15	43	-75	1	7	26	14	7	4	22	10	7	26	6	13	28	0	14
0.1a	-8	44	-42	3	4	12	11	10	1	15	11	4	17	7	7	18	0	88
BOT.	0	45	0	0	2	0	0	11	0	0	12	0	0	7	0	0	0	0

Table 44 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	41	-135	0	75	-32	0	72	43	0	54	75	0	28	88	0	0	92
0.9a	-27	47	-191	0	73	-30	0	71	41	0	54	71	0	28	83	0	0	86
0.8a	-38	47	-171	-3	72	-26	7	71	39	12	5	67	14	28	77	15	0	80
0.7a	-34	47	-155	-2	74	-22	15	73	38	23	455	62	27	28	71	29	0	74
0.6a	-32	48	-141	1	76	-17	23	75	36	34	56	57	40	29	65	41	0	67
0.5a	-28	49	-128	6	80	-12	30	77	33	43	57	51	49	29	57	51	0	59
0.4a	-26	50	-113	11	84	-8	36	80	29	50	58	43	56	30	49	57	0	50
0.3a	-23	51	-94	16	88	-4	40	83	24	52	60	25	58	31	39	59	0	40
0.2a	-19	52	-70	18	92	-1	39	85	18	50	61	25	54	31	28	56	0	28
0.1a	-14	53	-39	18	95	1	33	86	10	41	61	13	44	31	15	45	0	15
BOT.	-8	54	0	12	96	0	21	86	0	25	62	0	27	31	0	27	0	0

Table 45 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-27	41	0	0	31	0	0	17	0	0	10	0	0	4	0	0	0	0
0.9a	-38	47	-135	-18	32	-128	-10	20	-79	-6	11	-47	-4	5	-28	-3	0	-22
0.8a	-34	47	-191	-23	31	-119	-14	20	-73	-8	12	-43	-5	5	-25	-4	0	-19
0.7a	-32	47	-171	-22	31	-110	-13	20	-66	-7	12	-37	-3	5	-21	-1	0	-15
0.6a	-28	48	-155	-19	32	-100	-10	19	-59	-3	11	-31	2	5	-16	3	0	-11
0.5a	-26	49	-141	-15	31	-89	-5	18	-50	2	9	-25	7	4	-11	9	0	-6
0.4a	-23	50	-128	-11	30	-76	0	16	-41	8	7	-18	13	3	-6	14	0	-2
0.3a	-19	51	-113	-7	27	-62	4	13	-31	12	5	-12	16	2	-2	18	0	2
0.2a	-14	52	-94	-3	24	-47	7	10	-22	13	3	-7	17	1	1	18	0	4
0.1a	-8	53	-70	-1	21	-32	7	7	-13	10	2	-3	12	0	3	13	0	4
BOT.	0	54	-39	0	20	-15	0	6	-6	0	1	0	0	0	2	0	0	3

Table 46 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-27	43	-133	0	77	-29	0	73	44	0	54	76	0	28	89	0	0	92
0.9a	-37	47	-187	-3	74	-26	7	72	42	12	54	72	14	28	83	15	0	86
0.8a	-33	47	-165	-2	74	-23	15	72	41	24	54	67	28	28	78	29	0	80
0.7a	-29	48	-147	2	75	-19	23	73	39	35	55	62	40	29	72	41	0	74
0.6a	-27	49	-133	7	78	-15	31	75	37	44	56	57	49	29	65	51	0	67
0.5a	-24	51	-119	13	81	-10	37	78	34	50	57	51	56	30	57	58	0	59
0.4a	-21	53	-106	17	85	-6	41	81	30	52	59	44	58	30	49	59	0	50
0.3a	-17	55	-87	19	90	-2	40	83	25	50	60	35	54	31	39	56	0	40
0.2a	-13	56	-65	19	93	0	34	85	18	41	61	25	44	31	28	45	0	28
0.1a	-7	58	-36	13	96	1	21	86	10	25	62	14	27	31	15	27	0	15
BOT.	0	59	0	0	97	0	0	87	0	0	62	0	0	31	0	0	0	0

Table 47 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-27	43	-133	**0**	38	-154	0	24	-124	0	15	-103	0	7	-91	0	0	-87
0.9a	-37	47	-187	-24	35	-142	-17	25	-114	-13	16	-96	-11	8	-84	-11	0	-81
0.8a	-33	47	-165	-28	34	-131	-23	25	-105	-19	16	-87	-17	8	-76	-17	0	-72
0.7a	-29	48	-147	-26	36	-119	-23	26	-94	-20	17	-77	-18	8	-66	-18	0	-63
0.6a	-27	49	-133	-23	37	-105	-20	27	-82	-17	17	-66	-16	8	-56	-15	0	-53
0.5a	-24	51	-119	-20	39	-91	-16	27	-69	-13	17	-54	-11	8	-45	-10	0	-42
0.4a	-21	53	-106	-16	39	-75	-11	27	-55	-8	17	-41	-5	8	-34	-4	0	-31
0.3a	-17	55	-87	-12	39	-58	-6	26	-40	-2	16	-29	1	7	-23	1	0	-21
0.2a	-13	56	-65	-7	37	-40	-1	24	-26	3	14	-18	5	7	-14	6	0	-12
0.1a	-7	58	-36	-2	35	-20	2	22	-12	4	13	-8	6	6	-6	6	0	-5
BOT.	0	59	0	0	34	0	0	21	0	0	12	0	0	6	0	0	0	0

Table 48 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-31	33	-153	0	73	-39	0	72	40	0	54	74	0	28	88	0	0	91
0.9a	-43	37	-216	-4	71	-36	7	71	38	12	53	70	14	28	82	15	0	86
0.8a	-28	37	-188	-3	71	-31	14	71	37	23	53	66	27	28	77	29	0	80
0.7a	-33	37	-165	0	72	-27	22	72	35	34	54	61	39	28	71	41	0	73
0.6a	-29	39	-145	6	75	-21	30	74	34	43	55	56	49	29	64	51	0	67
0.5a	-25	41	-127	11	78	-16	36	76	31	49	57	50	56	29	57	57	0	59
0.4a	-22	43	-109	16	82	-10	40	79	28	52	58	43	58	30	48	59	0	50
0.3a	-18	46	-89	19	86	--5	39	81	23	49	59	35	54	30	39	55	0	40
0.2a	-13	48	-65	18	89	-2	34	83	17	41	60	25	44	31	28	45	0	28
0.1a	-7	50	-36	13	92	0	21	85	10	25	61	13	26	31	15	27	0	15
BOT.	0	51	0	0	93	0	0	85	0	0	61	0	0	31	0	0	0	0

Table 49 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-31	33	-153	0	41	-211	0	26	-198	0	16	-189	0	8	-184	0	0	-182
0.9a	-43	37	-216	-37	27	-195	-31	21	-182	-26	14	-175	-23	7	-171	-23	0	-169
0.8a	-28	37	-188	-36	26	-177	-35	19	-168	-34	12	-161	-33	6	-157	-33	0	-156
0.7a	-33	37	-165	-33	28	-157	-33	20	-151	-33	13	-145	-33	7	-142	-33	0	-141
0.6a	-29	39	-145	-29	30	-138	-29	22	-132	-29	15	-128	-29	7	-125	-29	0	-124
0.5a	-25	41	-127	-25	32	-119	-25	24	-113	-25	16	-108	-25	8	-105	-25	0	-104
0.4a	-22	43	-109	-21	34	-100	-21	26	-92	-20	17	-87	-20	9	-84	-20	0	-83
0.3a	-18	46	-89	-17	35	-78	-16	26	-71	-15	18	-66	-14	9	-63	-14	0	-62
0.2a	-13	48	-65	-12	36	-55	-10	27	-48	-9	17	-43	-8	9	-41	-8	0	-40
0.1a	-7	50	-36	-6	36	-28	-4	26	-24	-3	17	-21	-2	8	-19	-2	0	-19
BOT.	0	51	0	0	35	0	0	25	0	0	16	0	0	8	0	0	0	0

Table 50 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-19	12	-97	0	37	-45	0	39	20	0	31	56	0	16	73	0	0	78
0.9a	-30	19	-152	-5	34	-42	3	37	20	8	30	53	11	16	69	12	0	73
0.8a	28	20	-141	-6	34	-38	9	37	20	17	30	51	22	16	65	24	0	69
0.7a	-26	20	-132	-3	35	-34	15	39	20	26	31	48	32	17	60	34	0	64
0.6a	-28	20	-124	0	37	-29	21	41	21	34	33	45	41	18	56	43	0	59
0.5a	-23	20	-115	4	41	-23	27	44	20	40	35	41	47	18	50	50	0	52
0.4a	-21	21	-106	8	45	-17	30	47	19	43	37	36	50	19	43	52	0	45
0.3a	-17	21	-87	11	49	-11	31	51	17	42	39	29	48	20	35	50	0	36
0.2a	-13	22	-66	12	54	-6	27	54	13	36	40	21	40	21	25	41	0	26
0.1a	-7	22	-37	9	57	-2	18	56	7	22	41	12	24	21	13	25	0	14
BOT.	0	23	0	0	59	0	0	56	0	0	42	0	0	21	0	0	0	0

Table 51 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-19	12	-97	0	6	-80	0	2	-26	0	4	9	0	2	28	0	0	34
0.9a	-30	19	-152	-10	8	-74	3	0	-23	1	3	10	4	2	28	4	0	33
0.8a	28	20	-141	-13	8	-69	3	1	-20	5	3	11	9	2	28	10	0	33
0.7a	-26	20	-132	-12	7	-63	0	0	-16	9	4	12	15	3	28	17	0	33
0.6a	-28	20	-124	-10	6	-56	4	2	-12	15	5	14	21	4	27	24	0	32
0.5a	-23	20	-115	-6	4	-48	9	5	-8	20	8	15	27	5	26	29	0	30
0.4a	-21	21	-106	-3	1	-39	13	99	-4	25	10	15	31	6	24	33	0	27
0.3a	-17	21	-87	1	3	-29	16	12	-1	26	13	14	32	8	21	34	0	23
0.2a	-13	22	-66	3	7	-18	16	16	1	24	15	11	28	9	16	30	0	17
0.1a	-7	22	-37	4	10	-8	12	18	2	16	16	6	18	9	9	19	0	10
BOT.	0	23	0	0	12	0	0	19	0	0	17	0	0	10	0	0	0	0

Table 52 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-16	20	-82	0	40	-34	0	41	26	0	32	59	0	17	75	0	0	80
0.9a	-26	26	-132	-4	38	-32	4	40	25	9	31	56	11	17	71	12	0	75
0.8a	-25	26	-123	-4	38	-29	10	40	25	18	31	53	23	17	67	24	0	70
0.7a	-23	27	-116	-1	39	-25	16	41	25	27	32	50	33	17	62	35	0	65
0.6a	-22	27	-109	3	41	-21	23	43	25	35	34	47	42	18	57	44	0	60
0.5a	-20	28	-102	7	45	-16	28	46	24	41	36	43	48	19	51	50	0	53
0.4a	-19	29	-93	10	49	-11	32	50	22	44	38	37	51	20	44	53	0	46
0.3a	-16	30	-79	13	54	-7	32	53	19	43	40	30	49	21	35	50	0	34
0.2a	-12	31	-60	13	58	-3	28	56	15	36	41	22	40	21	25	41	0	26
0.1a	-7	32	-34	10	62	-1	18	58	8	22	42	12	24	22	14	25	0	14
BOT.	0	32	0	0	63	0	0	58	0	0	42	0	0	22	0	0	0	0

Table 53 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-16	20	-82	0	18	-86	0	10	-48	0	5	-22	0	2	-7	0	0	-2
0.9a	-26	26	-132	-12	19	-80	-6	12	-44	-3	6	-19	-2	3	-5	-1	0	0
0.8a	-25	26	-123	-15	19	-75	-8	12	-40	-3	7	-16	0	3	-2	0	0	2
0.7a	-23	27	-116	-15	19	-69	-7	12	-35	-1	7	-12	3	3	1	4	0	5
0.6a	-22	27	-109	-13	19	-62	-4	11	-19	3	5	-8	7	2	4	9	0	8
0.5a	-20	28	-102	-10	18	-54	0	99	-23	8	4	-3	12	1	7	14	0	10
0.4a	-19	29	-93	-7	16	-45	4	6	-17	12	2	0	17	0	9	19	0	12
0.3a	-16	30	-79	-4	13	-35	7	3	-11	15	1	2	20	1	9	21	0	11
0.2a	-12	31	-60	-1	10	-23	9	0	-6	16	3	4	19	2	8	20	0	9
0.1a	-7	32	-34	2	6	-11	8	3	-2	11	5	3	13	3	5	14	0	6
BOT.	0	32	0	0	5	0	0	4	0	0	6	0	0	4	0	0	0	0

Table 54 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-16	24	-78	0	43	-29	0	42	30	0	33	61	0	17	76	0	0	81
0.9a	-25	28	-124	-3	40	-26	5	41	29	9	32	58	12	17	72	12	0	76
0.8a	-23	28	-113	-2	40	-23	11	41	28	19	32	55	23	17	68	24	0	71
0.7a	-21	29	-105	1	41	-20	17	42	28	28	33	52	34	18	63	35	0	66
0.6a	-20	30	-99	5	44	-16	24	45	27	36	35	48	43	18	58	45	0	60
0.5a	-18	32	-92	9	47	-12	30	48	26	42	36	44	49	19	52	51	0	54
0.4a	-17	34	-83	12	52	-8	33	51	24	45	38	38	51	20	44	53	0	46
0.3a	-14	35	-72	14	56	-4	33	54	20	44	40	31	49	21	36	51	0	37
0.2a	-11	37	-55	14	61	-1	29	57	15	37	42	22	40	21	26	42	0	26
0.1a	-6	38	-31	10	64	0	18	59	9	23	43	12	25	22	14	25	0	14
BOT.	0	39	0	0	66	0	0	59	0	0	43	0	0	22	0	0	0	0

Table 55 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-16	24	-78	0	25	-101	0	16	-80	0	10	-65	0	5	-56	0	0	-53
0.9a	-25	28	-124	-16	23	-93	-11	17	-74	-8	11	-60	-7	5	-51	-7	0	-48
0.8a	-23	28	-113	-19	22	-88	-15	17	-68	-12	11	-54	-11	6	-45	-10	0	-42
0.7a	-21	29	-105	-18	23	-81	-15	17	-61	-12	11	-47	-11	6	-38	-10	0	-36
0.6a	-20	30	-99	-16	24	-73	-13	18	-53	-10	12	-39	-9	6	-31	-8	0	-28
0.5a	-18	32	-92	-14	25	-65	-10	18	-45	-7	11	-31	-5	6	-24	-4	0	-21
0.4a	-17	34	-83	-12	25	-55	-7	17	-36	-3	10	-24	0	5	-16	1	0	-14
0.3a	-14	35	-72	-8	24	-43	3	15	-26	2	9	-15	4	4	-10	5	0	-8
0.2a	-11	37	-55	-5	22	-30	1	13	16	5	7	-9	7	3	-5	8	0	-3
0.1a	-6	38	-31	-1	20	-15	3	11	-7	5	5	-3	7	2	-1	7	0	-1
BOT.	0	39	0	0	19	0	0	10	0	0	5	0	0	2	0	0	0	0

Table 56 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-18	18	-90	0	41	-35	0	41	27	0	32	60	0	17	75	0	0	80
0.9a	-28	22	-142	-4	38	-32	4	40	26	9	31	56	11	17	71	12	0	75
0.8a	-25	22	-126	-4	38	-29	10	40	25	18	32	53	23	17	67	24	0	70
0.7a	-23	22	-114	0	39	-25	17	41	25	28	33	50	33	17	62	35	0	65
0.6a	-21	24	-103	4	42	-20	24	44	25	36	34	47	42	18	57	44	0	60
0.5a	-19	26	-93	9	45	-15	29	47	24	42	36	43	49	19	51	51	0	53
0.4a	-16	28	-82	12	49	-10	33	50	22	45	38	37	51	20	44	53	0	46
0.3a	-14	31	-69	15	54	-5	33	53	19	44	39	30	49	21	35	50	0	37
0.2a	-10	34	-52	15	58	-2	29	55	15	37	41	22	40	21	25	41	0	26
0.1a	-6	36	-30	11	62	0	19	57	8	23	42	12	25	21	14	25	0	14
BOT.	0	37	0	0	63	0	0	58	0	0	42	0	0	22	0	0	0	0

Table 57 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-18	18	-90	0	26	-137	0	17	-130	0	10	-125	0	5	-122	0	0	-121
0.9a	-28	22	-142	-24	17	-129	-20	13	-121	-17	9	-116	-16	5	-113	-15	0	-112
0.8a	-25	22	-126	-24	16	-119	-23	12	-112	-22	8	-107	-22	4	-105	-22	0	-104
0.7a	-23	22	-114	-22	17	-108	-22	3	-102	-22	9	-98	-22	4	-95	-22	0	-94
0.6a	-21	24	-103	-20	19	-97	-20	14	-91	-20	10	-86	-20	5	-84	-20	0	-83
0.5a	-19	26	-93	-18	21	-85	-18	16	-79	-18	11	-74	-18	5	-71	-18	0	-70
0.4a	-16	28	-82	-16	23	-72	-15	17	-65	-15	12	-60	-15	6	-57	-14	0	-56
0.3a	-14	31	-69	-13	24	-58	-12	18	-50	-11	12	-45	-11	6	-42	-10	0	-41
0.2a	-10	34	-52	-9	25	-41	-7	18	-34	-6	12	-30	-6	6	-27	-5	0	-26
0.1a	-6	36	-30	-4	25	-22	-3	17	-17	-2	11	-14	-3	5	-13	-1	0	-12
BOT.	0	37	0	0	24	0	0	17	0	0	11	0	0	5	0	0	0	0

Table 58 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-7	3	-36	0	10	-30	0	12	7	0	10	33	0	6	47	0	0	51
0.9a	-15	7	-76	-4	8	-28	1	10	7	4	9	32	6	5	45	7	0	49
0.8a	-15	7	-77	-4	8	-27	4	10	8	10	9	31	13	5	44	14	0	48
0.7a	-15	8	-77	-3	9	-25	8	11	10	16	10	31	20	6	42	22	0	46
0.6a	-16	8	-78	-1	11	-23	12	13	11	22	11	30	27	6	40	29	0	43
0.5a	-15	9	-77	1	14	-20	16	16	12	27	14	29	33	8	37	35	0	40
0.4a	-15	9	-73	3	18	-16	19	20	12	30	16	26	36	9	33	38	0	35
0.3a	-13	10	-64	5	22	-11	21	24	11	31	19	22	36	10	28	38	0	29
0.2a	-10	10	-51	7	27	-7	19	28	9	27	21	17	31	11	20	32	0	21
0.1a	-6	11	-30	6	30	-3	13	30	6	17	23	9	20	12	11	20	0	12
BOT.	0	11	0	0	32	0	0	31	0	0	23	0	0	12	0	0	0	0

Table 59 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-7	3	-36	0	6	-45	0	2	-18	0	0	2	0	0	14	0	0	18
0.9a	-15	7	-76	-6	7	-42	-2	4	-16	0	2	3	1	1	15	1	0	19
0.8a	-15	7	-77	-8	7	-41	-2	4	-14	2	2	5	4	1	16	5	0	20
0.7a	-15	8	-77	-8	7	-39	-1	4	-11	5	2	7	8	0	18	9	0	21
0.6a	-16	8	-78	-6	6	-36	2	3	-8	9	0	9	13	0	19	14	0	22
0.5a	-15	9	-77	-5	4	-33	5	0	-5	13	2	11	18	1	20	19	0	22
0.4a	-15	9	-73	-3	2	-28	8	3	-2	17	4	12	22	3	19	23	0	21
0.3a	-13	10	-64	-1	1	-22	11	6	0	19	7	11	24	4	17	25	0	19
0.2a	-10	10	-51	1	5	-14	11	10	2	18	9	10	22	5	13	23	0	15
0.1a	-6	11	-30	3	8	-7	9	13	2	13	11	6	15	6	8	15	0	8
BOT.	0	11	0	0	10	0	0	14	0	0	12	0	0	7	0	0	0	0

Table 60 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-6	8	-29	0	13	-21	0	14	14	0	11	38	0	6	51	0	0	55
0.9a	-13	11	-64	-2	12	-19	2	13	14	5	10	36	7	6	49	7	0	53
0.8a	-13	11	-64	-2	12	-18	5	12	15	11	10	36	14	6	47	15	0	51
0.7a	-13	12	-64	-1	13	-17	10	13	15	17	11	35	22	6	45	23	0	49
0.6a	-13	13	-65	2	15	-15	14	16	16	23	13	34	29	7	43	31	0	46
0.5a	-13	14	-64	4	18	-13	18	19	16	29	15	32	35	8	40	37	0	42
0.4a	-12	15	-62	6	22	-10	21	22	16	32	18	29	38	10	35	40	0	37
0.3a	-11	17	-56	7	26	-7	22	26	14	32	20	24	37	11	29	39	0	30
0.2a	-9	18	-44	8	31	-3	21	30	11	28	23	18	32	12	25	33	0	22
0.1a	-5	19	-26	6	35	-1	14	33	7	18	24	10	20	12	12	21	0	12
BOT.	0	19	0	0	37	0	0	34	0	0	25	0	0	13	0	0	0	0

Table 61 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-6	8	-29	0	12	-49	0	8	-37	0	5	-27	0	2	-21	0	0	-19
0.9a	-13	11	-64	-8	11	-47	-5	9	-34	-4	6	-24	-3	3	-18	-3	0	-16
0.8a	-13	11	-64	-10	11	-46	-7	9	-31	-5	6	-21	-4	3	-15	-4	0	-13
0.7a	-13	12	-64	-10	11	-44	-7	9	-29	-5	6	-18	-4	3	-11	-3	0	-9
0.6a	-13	13	-65	-9	12	-42	-6	9	-25	-3	6	-14	-1	3	-7	-1	0	-5
0.5a	-13	14	-64	-8	12	-36	-4	9	-21	-1	5	-9	2	3	-3	3	0	-1
0.4a	-12	15	-62	-7	11	-34	-2	7	-16	3	4	-5	5	2	1	6	0	3
0.3a	-11	17	-56	-5	10	-28	1	5	-12	6	2	-2	9	1	3	10	0	5
0.2a	-9	18	-44	-3	8	-20	3	3	-7	8	0	0	10	0	4	11	0	5
0.1a	-5	19	-26	0	6	-10	4	0	-3	7	2	1	8	1	3	9	0	4
BOT.	0	19	0	0	4	0	0	1	0	0	2	0	0	2	0	0	0	0

Table 62 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-7	6	-35	0	13	-23	0	14	14	0	12	38	0	6	51	0	0	55
0.9a	-14	8	-71	-3	11	-21	2	13	14	5	11	36	7	6	49	7	0	53
0.8a	-13	8	-67	-3	11	-19	5	13	14	11	11	36	14	6	47	15	0	51
0.7a	-13	8	-64	0	12	-17	10	14	15	18	12	35	22	6	45	24	0	48
0.6a	-12	10	-62	2	14	-14	15	16	16	24	13	34	29	7	43	31	0	46
0.5a	-12	12	-59	5	17	-11	1	19	16	29	15	32	35	8	39	37	0	42
0.4a	-11	14	-55	7	21	-8	23	22	16	33	18	29	38	10	35	40	0	37
0.3a	-10	17	-48	9	26	-5	24	26	15	33	20	24	38	11	29	40	0	30
0.2a	-8	19	-38	9	31	-2	21	30	12	29	22	18	32	12	21	34	0	22
0.1a	-5	21	-23	7	35	0	14	32	7	18	24	10	20	12	12	21	0	12
BOT.	0	22	0	0	37	0	0	33	0	0	24	0	0	13	0	0	0	0

Table 63 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-7	6	-35	0	12	-67	0	8	-65	0	5	-63	0	2	-61	0	0	-61
0.9a	-14	8	-71	-12	7	-64	-10	6	-61	-8	4	-59	-8	2	-57	-7	0	-57
0.8a	-13	8	-67	-13	6	-62	-12	5	-68	-11	4	-55	-11	2	-53	-11	0	-53
0.7a	-13	8	-64	-12	7	-59	-12	6	-54	-12	4	-51	-12	2	-49	-12	0	-48
0.6a	-12	10	-62	-12	9	-55	-12	7	-50	-12	5	-46	-11	2	-44	-11	0	-43
0.5a	-12	12	-59	-11	10	-51	-11	8	-45	-11	6	-40	-10	3	-37	-10	0	-36
0.4a	-11	14	-55	-10	12	-45	-10	9	-38	-9	6	-33	-9	3	-30	-9	0	-29
0.3a	-10	17	-48	-9	13	-38	-8	10	-30	-7	7	-25	-6	3	-22	-6	0	-21
0.2a	-8	19	-38	-6	14	-28	-5	10	-21	-4	6	-16	-3	3	-14	-2	0	-13
0.1a	-5	21	-23	-3	14	-15	-1	9	-10	0	6	-7	0	3	-6	1	0	-5
BOT.	0	22	0	0	13	0	0	8	0	0	5	0	0	2	0	0	0	0

Table 64 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-2	2	-12	0	3	-14	0	4	6	0	3	22	0	2	31	0	0	35
0.9a	-7	4	-37	-2	2	-14	1	2	7	2	2	22	3	1	31	4	0	34
0.8a	-8	4	-41	-2	2	-14	2	2	7	6	2	22	8	1	31	8	0	34
0.7a	-9	4	-45	-1	2	-14	5	3	8	10	3	23	13	2	31	14	0	34
0.6a	-10	5	-48	0	4	-14	8	4	9	14	4	23	18	2	31	19	0	33
0.5a	-10	6	-50	1	6	-13	11	7	10	18	6	23	23	3	30	24	0	32
0.4a	-10	7	-50	2	9	-12	13	10	10	21	8	21	26	5	27	28	0	29
0.3a	-9	8	-47	3	13	-9	15	14	10	23	11	19	27	6	23	29	0	25
0.2a	-8	9	-38	4	17	-6	14	18	8	21	14	15	25	7	18	26	0	19
0.1a	-5	9	-23	4	21	-2	10	21	5	14	16	8	16	8	10	17	0	10
BOT.	0	10	0	0	23	0	0	22	0	0	16	0	0	8	0	0	0	0

Table 65 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-2	2	-12	0	6	-26	0	4	-17	0	3	-10	0	1	-5	0	0	-3
0.9a	-7	4	-37	-4	6	-26	-3	5	-16	-2	3	-8	-1	2	-3	-1	0	-1
0.8a	-8	4	-41	-6	6	-26	-4	5	-15	-2	4	-6	-1	2	-1	-1	0	1
0.7a	-9	4	-45	-6	6	-27	-3	5	-13	-1	4	-4	0	2	2	0	0	4
0.6a	-10	5	-48	-6	6	-27	-2	5	-12	0	4	-1	2	2	4	3	0	6
0.5a	-10	6	-50	-5	6	-26	-1	4	-10	3	3	1	5	1	7	6	0	9
0.4a	-10	7	-50	-4	5	-24	1	3	-7	5	1	3	8	0	9	9	0	10
0.3a	-9	8	-47	-3	3	-20	3	1	-4	8	1	5	11	1	9	12	0	11
0.2a	-8	9	-38	-1	1	-15	5	2	-2	9	3	5	12	2	8	13	0	9
0.1a	-5	9	-23	0	1	-7	5	5	0	8	5	3	9	3	5	10	0	6
BOT.	0	10	0	0	3	0	0	6	0	0	6	0	0	3	0	0	0	0

Table 66 Moment Coefficients along Long side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-3	1	-15	0	3	-13	0	4	8	0	4	24	0	2	34	0	0	37
0.9a	-8	3	-39	-2	2	-12	1	3	9	2	3	24	4	2	33	4	0	36
0.8a	8	2	-39	-2	2	-12	3	3	10	6	3	24	8	2	33	9	0	36
0.7a	-8	3	-40	0	3	-11	6	3	10	11	3	25	14	2	33	15	0	35
0.6a	-8	4	-42	1	4	-10	9	5	11	16	5	25	20	3	32	21	0	35
0.5a	-8	6	-42	3	7	-9	13	8	12	20	6	24	24	4	31	26	0	33
0.4a	-8	8	-41	4	10	-7	15	11	12	23	9	23	28	5	28	29	0	30
0.3a	-8	10	-38	6	15	-5	17	15	12	24	12	20	29	6	24	30	0	25
0.2a	-6	12	-31	6	19	-3	16	19	10	22	14	15	26	7	18	27	0	19
0.1a	-4	14	-19	5	23	-1	11	22	6	15	16	9	17	8	10	17	0	10
BOT.	0	15	0	0	25	0	0	23	0	0	17	0	0	9	0	0	0	0

Table 67 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-3	1	-15	0	6	-36	0	4	-35	0	2	-34	0	1	-34	0	0	-33
0.9a	-8	3	-39	-6	3	-35	-5	3	-34	-4	2	-32	-4	1	-32	-4	0	-31
0.8a	-8	2	-39	-7	3	-36	-7	2	-33	-6	2	-31	-6	1	-30	-6	0	-29
0.7a	-8	3	-40	-8	3	-36	-7	3	-32	-7	2	-29	-7	1	-28	-7	0	-27
0.6a	-8	4	-42	-8	4	-35	-7	4	-30	-7	3	-27	-7	1	-25	-7	0	-24
0.5a	-8	6	-42	-8	5	-34	-7	4	-28	-7	3	-24	-7	2	-21	-7	0	-20
0.4a	-8	8	-41	-7	7	-32	-7	5	-25	-6	4	20	-6	2	-17	-6	0	-16
0.3a	-8	10	-38	-6	8	-27	-5	6	-20	-4	4	-15	-4	2	-12	-4	0	-11
0.2a	-6	12	-31	-5	9	-21	-3	6	-14	-2	4	-9	-1	2	-7	-1	0	-6
0.1a	-4	14	-19	-2	9	-11	-1	5	-7	1	3	-4	1	1	-3	1	0	-2
BOT.	0	15	0	0	8	0	0	4	0	0	2	0	0	1	0	0	0	0

Table 68 Moment Coefficients along Long Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b / 0.9b			0.2b / 0.8b			0.3b / 0.7b			0.4b / 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-1	1	-3	0	1	-4	0	0	4	0	0	10	0	0	15	0	0	16
0.9a	-3	0	-14	-1	2	-4	0	1	4	0	1	11	1	0	15	1	0	17
0.8a	-3	1	-17	-1	2	-5	1	2	5	2	1	12	3	1	16	3	0	18
0.7a	-4	0	-20	-1	2	-6	2	2	5	4	1	13	5	1	18	6	0	19
0.6a	-5	0	-23	0	1	-6	4	1	6	7	1	14	8	0	19	9	0	20
0.5a	-5	1	-25	1	0	-6	5	0	7	9	0	15	11	0	20	12	0	21
0.4a	-5	3	-27	1	3	-6	7	3	7	11	2	15	14	1	19	15	0	21
0.3a	-5	4	-26	2	5	-5	8	6	7	13	4	14	16	2	17	17	0	19
0.2a	-5	6	-23	2	9	-4	9	9	6	13	7	11	16	4	14	16	0	15
0.1a	-3	7	-15	2	12	-2	7	12	4	10	9	7	11	5	8	12	0	8
BOT.	0	8	0	0	14	0	0	13	0	0	10	0	0	5	0	0	0	0

Table 69 Moment Coefficients along Short Side for Rectangular Tanks having Case 2 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-1	1	-3	0	2	-12	0	1	-12	0	1	-12	0	0	-11	0	0	-11
0.9a	-3	0	-14	-2	1	-13	-2	1	-12	-1	1	-11	-1	0	-11	-1	0	-10
0.8a	-3	1	-17	-3	0	-14	-2	1	-12	-2	1	-11	-2	0	-10	-2	0	-10
0.7a	-4	0	-20	-3	1	-16	-3	1	-13	-3	1	-10	-2	0	-9	-2	0	-9
0.6a	-5	0	-23	-4	1	-17	-3	1	-13	-3	1	-10	-3	1	-8	-3	0	-7
0.5a	-5	1	-25	-4	2	-18	-4	2	-13	-3	1	-9	-3	1	-6	-3	0	-6
0.4a	-5	3	-27	-4	3	-18	-3	2	-12	-3	2	-7	-2	1	-4	-2	0	-4
0.3a	-5	4	-26	-4	3	-17	-3	3	-10	-2	2	-5	-1	1	-2	-1	0	-1
0.2a	-5	6	-23	-3	4	-13	-1	2	-7	0	1	-3	1	1	0	0	0	1
0.1a	-3	7	-15	-1	3	-7	0	1	-3	1	0	-1	2	0	1	2	0	1
BOT.	0	8	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 70 Deflection Coefficients along Long Side, Mid-height ($y = a/2$) for Tanks having Case 3 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	x / c/a	End	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b
4.0	3.0	0	2.60	6.30	8.80	10.10	10.50
4.0	2.0	0	2.90	6.50	8.90	10.30	10.70
4.0	1.5	0	3.20	6.80	9.10	10.40	10.80
4.0	1.0	0	3.50	7.10	9.30	10.50	10.90
4.0	0.5	0	3.60	7.10	9.40	10.60	10.90
3.0	2.0	0	1.80	4.50	6.60	7.90	8.30
3.0	1.5	0	2.10	4.80	6.90	8.10	8.60
3.0	1.0	0	2.40	5.20	7.20	8.40	8.80
3.0	0.5	0	2.50	5.30	7.30	8.50	8.90
2.0	1.5	0	0.90	2.30	3.60	4.40	4.60
2.0	1.0	0	1.20	2.70	4.00	4.80	5.10
2.0	0.5	0	1.30	2.90	4.20	2.00	5.20
1.5	1.0	0	0.60	1.40	2.10	2.60	2.80
1.5	0.5	0	0.80	1.60	2.40	2.90	3.10
1.5	0.5	0	0.30	0.60	0.90	1.10	1.20

Table 71 Deflection Coefficients along Short Side, Mid-height ($y = a/2$) for Tanks having Case 3 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	z / c/a	END	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c
4.0	3.0	0	1.50	4.10	6.30	7.60	8.10
4.0	2.0	0	0.50	1.60	2.80	3.60	3.90
4.0	1.5	0	0.00	0.40	1.00	1.30	1.50
4.0	1.0	0	-0.30	-0.40	-0.40	-0.30	-0.30
4.0	0.5	0	-0.20	-0.40	-0.50	-0.60	-0.60
3.0	2.0	0	0.50	1.70	2.90	3.70	3.90
3.0	1.5	0	0.00	0.50	1.00	1.40	1.60
3.0	1.0	0	-0.30	-0.30	-0.30	-0.20	-0.20
3.0	0.5	0	-0.20	-0.40	-0.50	-0.60	-0.60
2.0	1.5	0	0.20	0.70	1.30	1.80	1.90
2.0	1.0	0	-0.20	-0.20	-0.10	0.00	0.00
2.0	0.5	0	-0.20	-0.30	-0.40	-0.50	-0.50
1.5	1.0	0	-0.10	0.00	0.20	0.30	0.40
1.5	0.5	0	-0.10	-0.20	-0.30	-0.30	-0.40
1.5	0.5	0	-0.10	-0.10	-0.10	-0.10	-0.20

Table 72 Deflection Coefficients along Long side, Mid-span (x = *b*/2) for Tanks having Case 3 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	y / c/a	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	0.50	1.70	3.20	4.40	5.20	5.40	4.90	3.70	2.00	0
4.0	**2.0**	0	0.70	2.40	4.80	7.50	10.50	13.60	16.70	19.80	22.80	25.90
4.0	**1.5**	0	0.70	2.40	4.80	7.60	10.70	13.80	16.90	20.00	23.10	26.20
4.0	**1.0**	0	0.70	2.40	4.80	7.70	10.80	13.90	17.10	20.30	23.40	26.60
4.0	**0.5**	0	0.70	2.40	4.90	7.80	10.90	14.10	17.30	20.60	23.80	27.00
3.0	**2.0**	0	0.70	2.40	4.90	7.80	10.90	14.10	17.40	20.60	23.80	27.00
3.0	**1.5**	0	0.60	2.00	3.90	6.10	8.30	10.60	12.80	14.90	17.00	19.00
3.0	**1.0**	0	0.60	2.00	4.00	6.20	8.60	10.90	13.20	15.40	17.50	19.70
3.0	**0.5**	0	0.60	2.10	4.10	6.40	8.80	11.20	13.60	15.90	18.20	20.40
2.0	**1.5**	0	0.40	1.30	2.40	3.50	4.60	5.60	6.50	7.20	8.00	8.70
2.0	**1.0**	0	0.40	1.40	2.60	3.80	5.10	6.20	7.20	8.10	9.00	9.90
2.0	**0.5**	0	0.40	1.40	2.60	4.00	5.20	6.40	7.50	8.40	9.40	10.30
1.5	**1.0**	0	0.30	0.90	1.60	2.20	2.80	3.20	3.60	3.80	4.00	4.30
1.5	**0.5**	0	0.30	0.90	1.70	2.40	3.10	3.60	4.00	4.30	4.60	4.90
1.0	**0.5**	0	0.20	0.50	0.80	1.00	1.20	1.20	1.20	1.20	1.20	1.20

Table 73 Deflection Coefficients along Short Side, Mid-span (z = *c*/2) for Tanks having Case 3 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	y / c/a	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	0.60	1.90	3.80	5.90	8.10	10.20	12.30	14.30	16.30	18.20
4.0	**2.0**	0	0.30	1.10	2.10	3.00	3.90	4.60	5.20	5.70	6.10	6.60
4.0	**1.5**	0	0.20	0.60	1.00	1.30	1.50	1.50	1.40	1.30	1.10	0.90
4.0	**1.0**	0	0.10	0.10	0.10	-0.10	-0.30	-0.60	-1.00	-1.30	-1.70	-2.10
4.0	**0.5**	0	0.00	-0.10	0.30	-0.40	-0.60	-0.80	-1.00	-1.20	-1.30	-1.50
3.0	**2.0**	0	0.30	1.10	2.10	3.10	3.90	4.70	5.30	5.80	6.30	6.80
3.0	**1.5**	0	0.20	0.60	1.00	1.40	1.60	1.60	1.60	1.40	1.30	1.20
3.0	**1.0**	0	0.10	0.10	0.10	0.00	-0.20	-0.50	-0.90	-1.20	-1.50	-1.90
3.0	**0.5**	0	0.00	-0.10	-0.20	-0.40	-0.60	-0.80	-1.00	-1.10	-1.30	-1.40
2.0	**1.5**	0	0.20	0.70	1.20	1.60	1.90	2.10	2.10	2.10	2.10	2.10
2.0	**1.0**	0	0.10	0.20	0.20	0.20	0.00	-0.20	-0.40	-0.70	-0.90	-1.20
2.0	**0.5**	0	0.00	-0.10	-0.20	-0.30	-0.50	-0.60	-0.80	-0.90	-1.00	-1.10
1.5	**1.0**	0	0.10	0.30	0.40	0.40	0.40	0.20	0.10	-0.10	-0.30	-0.40
1.5	**0.5**	0	0.00	-0.10	-0.10	-0.20	-0.40	-0.50	-0.50	-0.60	-0.70	-0.70
1.0	**0.5**	0	0.00	0.00	0.00	-0.10	-0.20	-0.20	-0.20	-0.30	-0.30	-0.30

Table 74 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b / 0.9b			0.2b / 0.8b			0.3b / 0.7b			0.4b / 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-15	2	-76	0	19	-13	0	19	13	0	13	17	0	6	16	0	0	14
0.9a	-19	2	-95	-2	18	-11	2	19	13	3	13	16	3	6	14	3	0	13
0.8a	-17	2	-83	-1	18	-9	5	19	12	6	13	15	5	6	13	5	0	12
0.7a	-15	2	-73	0	19	-7	6	19	11	7	13	13	5	6	11	5	0	10
0.6a	-13	2	-64	2	20	-4	6	19	10	5	13	10	2	6	8	1	0	7
0.5a	-11	2	-55	2	20	-2	3	19	8	-1	12	7	-5	6	5	-7	0	4
0.4a	-9	2	-44	1	20	-1	-3	18	5	-12	11	3	-18	5	0	-20	0	1
0.3a	-6	2	-32	-3	19	-1	-16	16	1	-29	9	-3	-37	4	-5	-40	0	-6
0.2a	-4	1	-18	-12	16	-2	-35	12	-5	-53	7	-9	-64	3	-12	-67	0	-13
0.1a	-1	1	-5	-27	10	-5	-63	7	-12	-87	4	-17	-99	2	-20	-103	0	-20
BOT.	0	0	0	-51	0	-10	-102	0	-20	-131	0	-26	-145	0	-29	-149	0	-30

Table 75 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-15	2	-76	0	14	-26	0	17	7	0	14	20	0	7	24	0	0	24
0.9a	-19	2	-95	-3	13	-23	1	16	7	4	14	19	5	7	22	5	0	22
0.8a	-17	2	-83	-4	13	-20	4	17	8	7	14	17	8	8	20	9	0	20
0.7a	-15	2	-73	-2	14	-16	6	17	8	10	14	16	11	8	17	11	0	18
0.6a	-13	2	-64	0	15	-13	7	18	8	10	14	14	10	8	14	10	0	14
0.5a	-11	2	-55	1	16	-9	7	19	7	7	14	11	6	7	11	5	0	10
0.4a	-9	2	-44	2	16	-5	3	18	5	-1	14	7	-4	7	6	-5	0	5
0.3a	-6	2	-32	-1	16	-3	-6	17	2	-14	12	2	-20	6	0	-22	0	-1
0.2a	-4	1	-18	-6	14	-2	-20	14	-2	-35	9	-5	-44	5	-7	-47	0	-8
0.1a	-1	1	-5	-17	10	-3	-43	8	-8	-65	5	-12	-77	3	-15	-82	0	-16
BOT.	0	0	0	-34	0	-7	-76	0	-15	-105	0	-21	-121	0	-24	-126	0	-25

Table 76 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-12	3	-61	0	20	-9	0	19	14	0	13	17	0	6	15	0	0	14
0.9a	-16	6	-81	-1	19	-8	2	19	13	3	13	16	3	6	14	3	0	13
0.8a	-15	6	-73	-1	19	-6	5	19	13	6	13	14	5	6	12	5	0	11
0.7a	-13	6	-66	1	19	-4	6	19	12	6	13	12	5	6	10	4	0	9
0.6a	-12	5	-60	2	20	-2	6	19	10	4	13	10	2	6	8	1	0	7
0.5a	-10	5	-52	2	21	-1	3	19	8	-2	12	7	-6	5	4	-7	0	3
0.4a	-9	5	-43	0	21	0	-4	18	5	-13	11	2	-19	5	0	-21	0	-1
0.3a	-6	4	-32	-5	19	0	-17	15	0	-30	9	-3	-38	4	-5	-40	0	-6
0.2a	-4	3	-18	-14	16	-2	-37	12	-5	-55	7	-9	-65	3	-12	-68	0	-13
0.1a	-1	2	-6	-30	10	-6	-65	7	-13	-89	4	-17	-100	2	-20	-104	0	-21
BOT.	0	0	0	-54	0	-11	-104	0	-21	-133	0	-27	-146	0	-29	-150	0	-30

Table 77 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-12	3	-61	0	4	-35	0	8	-4	0	7	15	0	4	24	0	0	27
0.9a	-16	6	-81	-5	2	-32	0	6	-3	3	6	14	4	4	23	5	0	26
0.8a	-15	6	-73	-5	3	-29	2	6	-1	6	7	14	9	4	22	10	0	24
0.7a	-13	6	-66	-4	3	-25	4	7	0	10	7	14	13	4	20	14	0	22
0.6a	-12	5	-60	-2	4	-20	7	9	2	12	9	13	16	5	18	16	0	20
0.5a	-10	5	-52	0	6	-15	9	11	3	13	10	12	16	6	16	16	0	17
0.4a	-9	5	-43	2	8	-11	8	12	4	11	10	9	12	6	12	12	0	12
0.3a	-6	4	-32	2	10	-6	4	13	3	4	10	6	3	6	7	2	0	7
0.2a	-4	3	-18	0	10	-3	-4	11	1	-10	9	1	-14	5	0	-16	0	0
0.1a	-1	2	-6	-6	7	-2	-19	8	-3	-31	6	-5	-40	3	-7	-43	0	-8
BOT.	0	0	0	-17	0	-3	-43	0	-9	-46	0	-13	-77	0	-15	-81	0	-16

Table 78 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-10	7	-49	0	20	-6	0	18	15	0	13	17	0	6	15	0	0	13
0.9a	-14	10	-69	-1	19	-5	3	18	14	3	13	15	3	6	13	3	0	12
0.8a	-13	10	-63	0	19	-3	5	18	13	6	13	14	5	6	12	5	0	11
0.7a	-12	9	-58	1	20	-2	6	19	12	6	13	12	5	6	10	4	0	9
0.6a	-11	9	-54	2	20	0	6	19	11	4	12	10	1	6	7	0	0	6
0.5a	-10	8	-48	2	21	1	3	18	8	-2	12	6	-6	5	4	-8	0	3
0.4a	-8	8	-41	0	21	1	-5	17	5	-13	10	2	-19	5	0	-21	0	-1
0.3a	-6	7	-31	-6	20	1	-18	15	0	-31	9	-3	-39	4	-6	-41	0	-6
0.2a	-4	5	-18	-16	17	-2	-39	12	-6	-56	6	-10	-66	3	-12	-69	0	-13
0.1a	-1	3	-6	-32	10	-6	-68	7	-13	-90	4	-18	-102	1	-20	-105	0	-21
BOT.	0	0	0	-58	0	-12	-107	0	-21	-134	0	-27	-147	0	-29	-151	0	-30

Table 79 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-10	7	-49	0	4	-37	0	0	-12	0	1	4	0	1	14	0	0	17
0.9a	-14	10	-69	-6	5	-34	-2	1	-11	1	0	5	2	1	14	2	0	17
0.8a	-13	10	-63	-6	5	-31	-1	1	-9	3	0	6	5	1	14	6	0	17
0.7a	-12	9	-58	-5	4	-27	1	1	-6	6	1	7	9	1	15	10	0	17
0.6a	-11	9	-54	-3	3	-23	4	1	-3	10	2	8	13	2	14	14	0	16
0.5a	-10	8	-48	-1	1	-19	7	3	-1	12	4	9	15	2	14	16	0	15
0.4a	-8	8	-41	1	1	-13	8	5	1	13	5	8	15	3	12	16	0	13
0.3a	-6	7	-31	2	4	-9	7	7	2	10	6	6	11	4	8	12	0	9
0.2a	-4	5	-18	2	5	-4	3	8	1	2	6	3	1	4	4	1	0	4
0.1a	-1	3	-6	-1	5	-2	-7	6	-1	-13	5	-2	-17	3	-2	-19	0	-3
BOT.	0	0	0	-8	0	-2	-25	0	-5	-39	0	-8	-47	0	-9	-50	0	-10

Table 80 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-8	11	-39	0	21	-1	0	18	16	0	12	17	0	6	14	0	0	13
0.9a	-11	13	-56	0	20	-1	3	18	15	3	12	15	3	6	13	3	0	12
0.8a	-10	13	-51	1	20	0	5	18	14	5	12	14	5	6	11	4	0	10
0.7a	-10	13	-48	2	20	2	7	18	13	6	12	12	4	6	9	4	0	8
0.6a	-9	13	-45	3	21	3	6	18	11	4	12	9	1	5	7	0	0	6
0.5a	-8	12	-41	3	22	3	2	18	8	-3	11	6	-7	5	3	-8	0	3
0.4a	-7	12	-36	0	21	3	-6	17	5	-14	10	2	-20	4	-1	-22	0	-2
0.3a	-6	10	-28	-7	20	1	-20	15	0	-32	8	-4	-40	4	-6	-42	0	-7
0.2a	-3	8	-17	-18	17	-2	-41	11	-6	-58	6	-10	-67	3	-12	-70	0	-13
0.1a	-1	5	-6	-36	10	-6	-71	6	-14	-92	3	-18	-103	1	-20	-106	0	-21
BOT.	0	0	0	-63	0	-13	-111	0	-22	-137	0	-27	-149	0	-30	-152	0	-30

Table 81 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c 0.9c			0.2c 0.8c			0.3c 0.7c			0.4c 0.6c			0.5c		
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-8	11	-39	0	10	-40	0	6	-26	0	3	-15	0	2	-9	0	0	-7
0.9a	-11	13	-56	-7	10	-37	-4	7	-23	-3	4	-13	-2	2	-7	-2	0	-5
0.8a	-10	13	-51	-7	10	-34	-5	7	-20	-3	5	-10	-2	2	-5	-1	0	-3
0.7a	-10	13	-48	-6	10	-30	-3	7	-17	-1	4	-7	1	2	-2	1	0	0
0.6a	-9	13	-45	-5	9	-26	-1	6	-13	2	4	-4	4	2	1	4	0	3
0.5a	-8	12	-41	-3	8	-22	2	5	-9	5	3	-1	7	1	4	8	0	5
0.4a	-7	12	-36	-1	6	-17	4	3	-5	8	1	2	10	0	6	11	0	7
0.3a	-6	10	-28	1	4	-11	6	1	-2	10	1	3	12	1	6	12	0	7
0.2a	-3	8	-17	2	1	-6	6	2	0	8	2	3	10	1	4	10	0	5
0.1a	-1	5	-6	2	1	-2	3	3	0	2	2	1	1	1	1	1	0	1
BOT.	0	0	0	0	0	0	-7	0	-1	-13	0	-3	-17	0	-3	-19	0	-4

Table 82 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-9	10	-43	0	21	0	0	18	16	0	12	16	0	6	14	0	0	13
0.9a	-11	11	-57	0	20	0	3	18	15	3	12	15	3	6	13	3	0	11
0.8a	-10	11	-49	1	20	1	5	18	14	5	12	14	5	6	11	4	0	10
0.7a	-9	11	-44	3	21	3	7	18	13	6	12	12	4	6	9	4	0	8
0.6a	-8	12	-39	4	21	3	6	18	11	3	12	9	1	5	7	0	0	6
0.5a	-7	12	-34	3	22	4	2	18	8	-3	11	6	-7	5	3	-9	0	2
0.4a	-6	13	-29	0	22	3	-6	17	5	-15	10	2	-20	4	-1	-22	0	-2
0.3a	-4	12	-22	-6	20	2	-20	14	0	-33	8	-4	-40	4	-6	-42	0	-7
0.2a	-3	10	-14	-18	17	-2	-41	11	-6	-58	6	-10	-67	3	-13	-70	0	-13
0.1a	-1	7	-5	-37	10	-7	-71	6	-14	-93	3	-18	-103	1	-20	-106	0	-21
BOT.	0	9	0	-66	0	-13	-112	0	-22	-137	0	-27	-149	0	-30	-152	0	-30

Table 83 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c 0.9c			0.2c 0.8c			0.3c 0.7c			0.4c 0.6c			0.5c		
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-9	10	-43	0	11	-55	0	7	-50	0	4	-46	0	2	-44	0	0	-43
0.9a	-11	11	-57	-10	8	-50	-8	6	-45	-7	4	-42	-6	2	-40	-6	0	-40
0.8a	-10	11	-49	-9	8	-45	-9	6	-41	-8	4	-37	-8	2	-36	-8	0	-35
0.7a	-9	11	-44	-8	9	-39	-8	7	-35	-8	5	-32	-7	2	-30	-7	0	-30
0.6a	-8	12	-39	-7	10	-34	-6	7	-29	-6	5	-26	-6	3	-24	-6	0	-24
0.5a	-7	12	-34	-6	10	-38	-5	8	-23	-4	5	-20	-4	3	-18	-4	0	-17
0.4a	-6	13	-29	-4	10	-22	-3	7	-17	-2	5	-14	-1	2	-12	-1	0	-11
0.3a	-4	12	-22	-2	9	-15	0	6	-11	1	4	-8	2	2	-6	2	0	-5
0.2a	-3	10	-14	0	7	-8	2	4	-5	4	3	-3	5	1	-1	5	0	-1
0.1a	-1	7	-5	2	3	-2	4	2	-1	6	1	0	6	0	1	7	0	1
BOT.	0	9	0	3	0	1	4	0	1	4	0	1	3	0	1	3	0	1

Table 84 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-11	1	-55	0	16	-20	0	17	9	0	13	20	0	7	23	0	0	24
0.9a	-16	5	-78	-2	14	-18	2	17	9	4	13	19	4	7	21	5	0	22
0.8a	-14	5	-71	-3	14	-15	4	17	9	7	13	18	8	7	19	8	0	19
0.7a	-13	4	-65	-1	15	-12	6	17	9	9	14	16	10	7	17	10	0	17
0.6a	-12	4	-59	0	16	-9	7	18	9	9	14	14	9	7	14	9	0	14
0.5a	-10	4	-52	1	17	-6	6	18	8	6	14	10	5	7	10	4	0	10
0.4a	-9	4	-43	1	18	-4	2	16	6	-2	13	6	-5	6	5	-7	0	5
0.3a	-6	3	-32	-2	18	-2	-7	17	2	-16	11	1	-22	6	0	-24	0	-1
0.2a	-4	2	-18	-8	15	-2	-23	14	-2	-37	9	-5	-46	4	-7	-49	0	-8
0.1a	-1	1	-6	-19	10	-4	-46	8	-9	-67	5	-13	-80	2	-15	-84	0	-16
BOT.	0	0	0	-38	0	-8	-80	0	-16	-109	0	-22	-124	0	-25	-129	0	-26

Table 85 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-11	1	-55	0	4	-34	0	8	-3	0	7	15	0	4	24	0	0	27
0.9a	-16	5	-78	-5	3	-31	0	7	-2	3	7	15	4	4	23	5	0	26
0.8a	-14	5	-71	-5	3	-28	2	7	-1	6	7	15	9	4	22	10	0	24
0.7a	-13	4	-65	-4	4	-24	4	8	1	10	8	14	13	5	20	14	0	22
0.6a	-12	4	-59	-1	5	-20	7	9	2	12	9	13	15	5	18	16	0	20
0.5a	-10	4	-52	0	7	-15	8	11	3	13	10	12	15	6	16	16	0	17
0.4a	-9	4	-43	2	8	-10	8	12	4	11	10	9	12	6	12	12	0	12
0.3a	-6	3	-32	1	10	-6	4	13	3	3	10	6	2	6	7	2	0	7
0.2a	-4	2	-18	-1	10	-3	-4	12	1	-10	9	1	-15	5	0	-16	0	0
0.1a	-1	1	-6	-6	8	-2	-20	8	-3	-32	6	-6	-41	3	-7	-43	0	-8
BOT.	0	0	0	-17	0	-3	-44	0	-9	-65	0	-13	-78	0	-16	-82	0	-16

Table 86 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-9	6	-44	0	17	-15	0	17	11	0	13	20	0	7	23	0	0	23
0.9a	-13	8	-66	-2	15	-13	2	17	11	4	13	19	4	7	21	5	0	21
0.8a	-12	8	-61	-2	15	-11	4	17	11	7	13	18	8	7	19	8	0	19
0.7a	-11	8	-57	0	16	-9	6	17	10	9	13	16	10	7	17	10	0	16
0.6a	-11	8	-53	1	17	-6	7	18	10	9	14	13	9	7	14	8	0	13
0.5a	-10	7	-48	1	18	-4	6	18	8	5	13	10	4	7	10	3	0	9
0.4a	-8	7	-41	0	19	-2	1	18	6	-3	13	6	-7	6	5	-8	0	4
0.3a	-6	6	-31	-3	18	-1	-9	17	2	-17	11	1	-23	5	-1	-26	0	-1
0.2a	-4	4	-18	-9	16	-2	-25	13	-3	-39	9	-6	-48	4	-8	-51	0	-8
0.1a	-1	3	-6	-21	11	-4	-49	8	-9	-70	5	-13	-82	2	-16	-86	0	-17
BOT.	0	0	0	-41	0	-8	-84	0	-17	-112	0	-22	-126	0	-25	-131	0	-26

Table 87 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-9	6	-44	0	3	-35	0	0	-11	0	1	5	0	1	14	0	0	17
0.9a	-13	8	-66	-5	4	-32	-1	1	-10	1	1	6	2	1	14	2	0	17
0.8a	-12	8	-61	-6	4	-30	-1	1	-8	3	1	7	5	1	15	6	0	17
0.7a	-11	8	-57	-4	4	-26	2	0	-5	6	1	8	9	1	15	10	0	17
0.6a	-11	8	-53	-3	2	-22	4	1	-3	10	2	9	13	2	15	14	0	17
0.5a	-10	7	-48	-1	1	-18	7	3	-1	12	4	9	15	3	14	16	0	15
0.4a	-8	7	-41	1	2	-13	8	5	1	13	5	8	15	3	12	16	0	13
0.3a	-6	6	-31	2	4	-8	7	7	2	10	7	6	11	4	8	11	0	9
0.2a	-4	4	-18	1	6	-4	3	8	1	2	7	3	1	4	4	0	0	4
0.1a	-1	3	-6	-2	5	-2	-7	6	-1	-14	5	-2	-18	3	-3	-20	0	-3
BOT.	0	0	0	-8	0	-2	-25	0	-5	-39	0	-8	-48	0	-10	-51	0	-10

Table 88 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for $b/a = 3.0$, $c/a = 1.0$

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-7	9	-34	0	18	-9	0	17	13	0	13	21	0	7	22	0	0	22
0.9a	-11	11	-53	-1	17	-8	2	17	13	4	13	19	4	7	20	4	0	20
0.8a	-10	11	-49	0	17	-6	5	17	12	7	13	18	8	7	18	8	0	18
0.7a	-9	12	-46	1	17	-4	7	18	12	9	13	16	9	7	16	9	0	16
0.6a	-9	12	-44	2	18	-3	7	18	11	9	13	13	8	7	13	8	0	13
0.5a	-8	11	-41	2	19	-1	5	19	9	5	13	10	3	7	9	2	0	9
0.4a	-7	11	-36	0	20	0	0	18	6	-4	12	6	-8	6	4	-9	0	4
0.3a	-6	10	-28	-4	19	0	-10	16	2	-19	11	0	-25	5	-1	-27	0	-2
0.2a	-3	8	-17	-11	17	-1	-27	13	-3	-41	8	-6	-50	4	-8	-53	0	-9
0.1a	-1	4	-6	-25	11	-4	-53	8	-10	-73	5	-14	-84	2	-16	-88	0	-17
BOT.	0	0	0	-46	0	-9	-89	0	-18	-115	0	-23	-129	0	-26	-133	0	-27

Table 89 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-7	9	-34	0	9	-38	0	5	-24	0	3	-14	0	2	-8	0	0	-6
0.9a	-11	11	-53	-6	9	-35	-4	6	-22	-2	4	-12	-2	2	-6	-2	0	-4
0.8a	-10	11	-49	-7	9	-32	-4	7	-19	-2	4	-9	-1	2	-4	-1	0	-2
0.7a	-9	12	-46	-6	9	-29	-3	7	-16	-1	4	-6	1	2	-1	1	0	1
0.6a	-9	12	-44	-5	9	-25	-1	6	-12	2	4	-3	4	2	2	5	0	4
0.5a	-8	11	-41	-3	8	-21	2	6	-8	5	3	0	7	1	5	8	0	6
0.4a	-7	11	-36	-1	6	-17	4	3	-5	8	1	2	10	0	6	11	0	7
0.3a	-6	10	-28	1	3	-11	6	0	-2	9	1	3	11	1	6	12	0	7
0.2a	-3	8	-17	2	1	-6	6	2	0	8	2	3	9	1	4	9	0	5
0.1a	-1	4	-6	2	1	-2	2	3	0	1	3	1	1	1	1	0	0	1
BOT.	0	0	0	-1	0	0	-7	0	-1	-14	0	-3	-18	0	-4	-20	0	-4

Table 90 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	07	9	-37	0	18	-7	0	18	14	0	13	21	0	7	22	0	0	22
0.9a	-11	10	-54	-1	17	-6	2	17	13	4	13	19	4	7	20	4	0	20
0.8a	-9	10	-47	0	17	-5	5	17	13	7	13	18	8	7	18	8	0	18
0.7a	-8	10	-42	2	18	-3	7	18	12	9	13	16	9	7	16	9	0	16
0.6a	-8	11	-38	3	19	-1	8	18	11	9	13	13	8	7	13	8	0	12
0.5a	-7	12	-34	3	20	0	6	19	9	5	13	10	3	6	9	2	0	9
0.4a	-6	12	-29	1	20	1	0	18	6	-4	12	6	-8	6	4	-10	0	4
0.3a	-4	12	-22	-3	19	1	-11	16	2	-19	11	0	-26	5	-1	-28	0	-2
0.2a	-3	10	-14	-12	17	-1	-28	13	-3	-42	8	-6	-51	4	-8	-54	0	-9
0.1a	-1	6	-5	-26	11	-5	-54	8	-10	-74	5	-14	-85	2	-17	-89	0	-17
BOT.	0	0	0	-49	0	-10	-90	0	-18	-116	0	-23	-130	0	-26	-134	0	-27

Table 91 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	07	9	-37	0	10	-51	0	7	-47	0	4	-44	0	2	-42	0	0	-41
0.9a	-11	10	-54	-9	8	-47	-8	6	-43	-7	4	-40	-6	2	-38	-6	0	-37
0.8a	-9	10	-47	-9	8	-42	-8	6	-39	-8	4	-36	-8	2	-34	-8	0	-33
0.7a	-8	10	-42	-8	8	-38	-8	6	-34	-7	4	-31	-7	2	-29	-7	0	-28
0.6a	-8	11	-38	-7	9	-33	-6	7	-28	-6	5	-25	-6	2	-23	-6	0	-23
0.5a	-7	12	-34	-6	9	-27	-5	7	-23	-4	5	-19	-4	2	-17	-3	0	-16
0.4a	-6	12	-29	-4	9	-22	-3	7	-16	-2	5	-13	-1	2	-11	-1	0	-10
0.3a	-4	12	-22	-2	8	-15	0	6	-10	1	4	-7	2	2	-5	2	0	-5
0.2a	-3	10	-14	0	6	-8	2	4	-5	4	3	-2	5	1	-1	5	0	-1
0.1a	-1	6	-5	2	3	-2	4	2	-1	5	1	0	6	0	1	6	0	1
BOT.	0	0	0	3	0	-1	4	0	1	3	0	1	3	0	1	3	0	1

Table 92 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-6	1	-30	0	8	-21	0	9	4	0	8	18	0	4	26	0	0	28
0.9a	-11	4	-54	-3	7	-19	1	8	4	3	7	18	4	4	24	5	0	26
0.8a	-11	4	-53	-3	7	-17	3	8	5	7	7	17	9	4	23	10	0	25
0.7a	-10	4	-51	-2	7	-15	5	9	5	10	8	16	13	5	21	13	0	23
0.6a	-10	4	-49	0	9	-13	7	11	6	12	9	15	15	5	19	16	0	20
0.5a	-9	4	-46	1	10	-10	8	12	6	12	10	13	14	6	16	15	0	16
0.4a	-8	4	-40	1	12	-7	6	14	6	9	11	10	9	6	11	9	0	12
0.3a	-6	3	-31	0	13	-4	2	14	4	0	11	6	-1	5	6	-2	0	6
0.2a	-4	3	-19	-3	13	-3	-8	12	0	-15	9	0	-20	5	-1	-21	0	-1
0.1a	-1	2	-6	-10	9	-2	-25	8	-4	-38	6	-7	-47	3	-8	-50	0	-9
BOT.	0	0	0	-22	0	-4	-52	0	-10	-73	0	-15	-86	0	-17	-90	0	-18

Table 93 Moment Coefficients along Short Side for Rectangular Tanks Having Case 3 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-6	1	-30	0	1	-28	0	1	-7	0	2	8	0	1	16	0	0	19
0.9a	-11	4	-54	-4	2	-26	-1	0	-6	1	1	8	2	1	16	3	0	19
0.8a	-11	4	-53	-5	2	-24	0	0	-4	4	1	9	6	1	16	6	0	19
0.7a	-10	14	-51	-4	1	-22	2	1	-2	7	2	10	9	1	16	10	0	18
0.6a	-10	4	-49	-2	0	-19	5	2	-1	10	3	10	13	2	16	14	0	18
0.5a	-9	4	-46	-1	1	-16	7	4	1	12	5	10	15	3	15	16	0	16
0.4a	-8	4	-40	1	4	-12	7	7	2	12	6	9	14	4	12	15	0	13
0.3a	-6	3	-31	1	6	-8	6	8	2	8	7	7	9	4	8	10	0	9
0.2a	-4	3	-19	1	7	-4	1	9	1	0	7	3	-2	4	3	-2	0	3
0.1a	-1	2	-6	-3	6	-2	-9	7	-1	-16	5	-2	-21	3	-3	-23	0	-3
BOT.	0	0	0	-10	0	-2	-29	0	-6	-43	0	-9	-53	0	-11	-56	0	-11

Table 94 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-4	5	-22	0	10	-13	0	10	8	0	8	20	0	4	27	0	0	29
0.9a	-8	7	-42	-2	9	-12	1	10	8	3	8	19	5	4	25	5	0	27
0.8a	-8	7	-41	-1	9	-11	4	10	8	7	8	19	9	5	24	10	0	25
0.7a	-8	8	-41	0	10	-10	6	11	8	10	9	18	13	5	22	13	0	23
0.6a	-8	8	-41	1	11	-8	8	12	8	12	10	16	14	5	19	15	0	20
0.5a	-8	8	-39	1	12	-6	8	13	8	12	11	14	13	6	16	14	0	16
0.4a	-7	8	-35	1	14	-4	6	14	7	8	11	10	8	6	11	8	0	11
0.3a	-6	7	-28	-1	15	-3	0	15	4	-2	11	6	-4	5	5	-5	0	5
0.2a	-4	6	-18	-5	14	-2	-11	13	0	-18	9	0	-23	5	-1	-24	0	-2
0.1a	-1	3	-6	-13	10	-3	-29	8	-5	-43	6	-8	-51	3	-9	-54	0	-10
BOT.	0	0	0	-27	0	-5	-57	0	-11	-79	0	-16	-91	0	-18	-95	0	-19

Table 95 Moment Coefficients along Short Side for Rectangular Tanks Having Case 3 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c 0.9c			0.2c 0.8c			0.3c 0.7c			0.4c 0.6c			0.5c		
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-4	5	-22	0	7	-29	0	4	-18	0	2	-9	0	1	-4	0	0	-2
0.9a	-8	7	-42	-5	7	-27	-3	5	-16	-2	3	-7	-1	2	-2	-1	0	0
0.8a	-8	7	-41	-6	7	-26	-3	5	-14	-2	4	-5	-1	2	0	0	0	2
0.7a	-8	8	-41	-5	7	-24	-2	5	-11	0	3	-3	1	2	2	2	0	4
0.6a	-8	8	-41	-4	7	-22	0	5	-9	3	3	0	4	1	5	5	0	6
0.5a	-8	8	-39	-3	6	-19	2	3	-6	5	2	2	7	1	7	8	0	8
0.4a	-7	8	-35	-1	4	-15	4	1	-3	8	0	4	10	0	7	11	0	9
0.3a	-6	7	-28	0	2	-11	5	1	-1	9	2	4	11	1	7	11	0	8
0.2a	-4	6	-18	1	1	-6	5	3	0	7	3	3	8	2	5	8	0	5
0.1a	-1	3	-6	1	2	-2	1	4	0	-1	3	1	-2	2	1	-2	0	1
BOT.	0	0	0	-2	0	0	-10	0	-2	-17	0	-3	-22	0	-4	-23	0	-5

Table 96 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b / 0.9b			0.2b / 0.8b			0.3b / 0.7b			0.4b / 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-5	5	-24	0	10	-11	0	11	9	0	9	21	0	5	27	0	0	29
0.9a	-8	6	-41	-1	9	-10	2	10	9	4	8	20	5	5	26	5	0	27
0.8a	-8	7	-38	-1	10	-9	4	10	9	7	9	19	9	5	24	10	0	25
0.7a	-7	7	-36	1	10	-7	7	11	10	11	9	18	13	5	22	14	0	23
0.6a	-7	8	-34	2	12	-5	9	12	10	13	10	16	15	5	19	15	0	20
0.5a	-6	9	-31	3	13	-3	9	14	9	12	11	14	13	6	16	14	0	16
0.4a	-5	10	-27	2	15	-2	6	15	7	7	11	10	7	6	11	7	0	11
0.3a	-3	10	-22	0	16	-1	0	15	5	-2	11	4	-4	5	5	-5	0	5
0.2a	-3	9	-14	-5	15	-1	-12	13	0	-19	9	-1	-24	4	-2	-26	0	-2
0.1a	-1	6	-5	-14	10	-3	-31	8	-5	-44	6	-8	-53	3	-10	-56	0	-10
BOT.	0	0	0	-31	0	-6	-61	0	-12	-81	0	-16	-93	0	-19	-97	0	-19

Table 97 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-5	5	-24	0	8	-39	0	5	-36	0	3	-34	0	2	-32	0	0	-32
0.9a	-8	6	-41	-7	5	-36	-6	4	-33	-5	3	-31	-5	2	-29	-4	0	-29
0.8a	-8	7	-38	-7	5	-34	-7	4	-30	-6	3	-28	-6	2	-26	-6	0	-26
0.7a	-7	7	-36	-7	6	-31	-6	5	-27	-6	3	-24	-6	2	-23	-6	0	-22
0.6a	-7	8	-34	-6	7	-28	-6	5	-23	-5	4	-20	-5	2	-18	-5	0	-18
0.5a	-6	9	-31	-5	7	-24	-4	6	-19	-4	4	-16	-3	2	-13	-3	0	-13
0.4a	-5	10	-27	-4	8	-20	-3	6	-14	-2	4	-11	-1	2	-8	-1	0	-8
0.3a	-3	10	-22	-2	7	-14	-1	5	-9	1	3	-6	1	2	-4	2	0	-3
0.2a	-3	9	-14	0	5	-8	2	3	-4	3	2	-2	4	1	0	5	0	0
0.1a	-1	6	-5	2	3	-2	4	1	-1	5	0	1	5	0	1	6	0	1
BOT.	0	0	0	3	0	1	3	0	1	2	0	0	1	0	0	0	0	0

Table 98 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-2	2	-12	-0	4	-12	0	4	4	0	4	15	0	2	22	0	0	24
0.9a	-6	3	-31	-2	3	-11	1	3	4	2	3	15	3	2	21	3	0	23
0.8a	-7	4	-33	-2	3	-11	2	3	5	5	3	15	7	2	20	7	0	22
0.7a	-7	4	-35	-1	3	-11	4	4	5	8	4	15	10	2	20	11	0	21
0.6a	-7	4	-36	0	5	-10	6	5	6	11	5	14	13	3	19	14	0	20
0.5a	-7	5	-36	0	7	-9	7	7	6	12	6	13	14	3	16	15	0	17
0.4a	-7	5	-33	1	8	-7	7	9	6	10	8	11	12	4	13	13	0	14
0.3a	-5	4	-27	0	10	-5	4	11	4	5	8	7	6	4	8	6	0	9
0.2a	-4	4	-18	-2	11	-3	-3	11	2	-3	8	3	-7	4	2	-8	0	2
0.1a	-1	2	-6	-7	8	-2	-16	8	-2	-24	5	-4	-30	3	-5	-32	0	-5
BOT.	0	0	0	-16	0	-3	-38	0	-8	-54	0	-11	-64	0	-13	-67	0	-13

Table 99 Moment Coefficients along Short Side for rectangular tanks having Case 3 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-2	2	-12	0	4	-20	0	3	-11	0	2	-3	0	1	1	0	0	3
0.9a	-6	3	-31	-3	4	-19	-2	4	-10	-1	2	-2	-1	1	2	0	0	4
0.8a	-7	4	-33	-4	4	-19	-2	4	-8	0	3	-1	0	1	4	1	0	6
0.7a	-7	4	-35	-4	4	-19	-1	4	-7	1	2	1	2	1	6	3	0	8
0.6a	-7	4	-36	-3	4	-18	0	3	-5	3	2	3	5	1	8	6	0	9
0.5a	-7	5	-36	-2	3	-16	2	2	-3	6	1	5	8	0	9	8	0	10
0.4a	-7	5	-33	-1	2	-13	4	0	-1	7	1	5	10	1	9	10	0	10
0.3a	-5	4	-27	0	0	-10	5	3	0	8	3	5	10	2	8	10	0	8
0.2a	-4	4	-18	1	2	-5	4	4	1	5	4	4	6	2	5	6	0	5
0.1a	-1	2	-6	0	3	-2	-1	4	0	-3	4	0	-5	2	0	-5	0	0
BOT.	0	0	0	-4	0	-1	-13	0	-3	-21	0	-4	-26	0	-5	-28	0	-6

Table 100 Moment Coefficients along Long Side for Rectangular Tanks Having Case 3 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b 0.9b			0.2b 0.8b			0.3b 0.7b			0.4b 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-3	2	-13	0	4	-9	0	5	6	0	4	17	0	2	23	0	0	25
0.9a	-6	3	-28	-1	4	-8	1	4	7	3	4	17	3	2	22	4	0	24
0.8a	-6	3	-29	-1	4	-8	3	4	7	6	4	17	7	2	22	8	0	23
0.7a	-6	4	-28	0	5	-7	5	5	8	9	4	16	11	2	21	12	0	22
0.6a	-6	5	-28	1	6	-6	7	6	8	12	5	16	14	3	19	15	0	20
0.5a	-5	6	-27	2	8	-4	8	8	8	13	7	14	15	4	17	16	0	18
0.4a	-5	7	-25	2	10	-3	8	10	7	11	8	11	12	4	13	13	0	14
0.3a	-4	8	-21	1	12	-2	4	11	5	5	9	8	5	4	8	5	0	8
0.2a	-3	7	-14	-1	12	-1	-4	11	2	-7	8	2	-9	4	2	-10	0	2
0.1a	-1	5	-5	-8	9	-2	-18	8	-3	-27	5	-4	-32	3	-5	-34	0	-6
BOT.	0	0	0	-21	0	-4	-43	0	-9	-59	0	-12	-68	0	-14	-71	0	-14

Table 101 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-3	2	-13	0	5	-26	0	3	-24	0	2	-23	0	1	22-	0	0	22-
0.9a	-6	3	-28	-5	3	-25	-4	3	-23	-3	2	-21	-3	1	20-	-3	0	20-
0.8a	-6	3	-29	-5	3	-25	-5	3	-22	-4	2	-19	-4	1	18-	-4	0	18-
0.7a	-6	4	-28	-5	4	-24	-5	3	-20	-5	2	-17	-4	1	-16	-4	0	15-
0.6a	-6	5	-28	-5	5	-22	-4	4	-18	-4	3	-15	-4	1	12-	-4	0	12-
0.5a	-5	6	-27	-5	6	-20	-4	4	-15	-3	3	-11	-3	1	9-	-3	0	8-
0.4a	-5	7	-25	-4	7	-17	-3	4	-12	-2	3	-8	-1	1	5-	-1	0	5-
0.3a	-4	8	-21	-2	8	-13	-1	4	-8	-1	2	-4	1	1	2-	2	0	2-
0.2a	-3	7	-14	-1	7	-8	1	2	-4	3	1	-1	4	1	1	4	0	1
0.1a	-1	5	-5	1	5	-2	3	1	-1	4	0	1	4	0	1	5	0	1
BOT.	0	0	0	2	0	0	1	0	0	0	0	0	-1	0	0	-1	0	0

Table 102 Moment Coefficients along Long Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-1	0	-3	0	0	-4	0	0	3	0	0	9	0	0	13	0	0	14
0.9a	-3	0	-13	-1	1	-4	0	0	4	1	0	9	1	0	13	1	0	14
0.8a	-3	0	-15	-1	1	-4	1	1	4	2	0	10	3	0	14	3	0	15
0.7a	-3	1	-17	0	0	-5	2	0	4	4	0	11	6	0	14	6	0	16
0.6a	-4	1	-19	0	1	-5	4	1	5	7	1	11	8	0	15	9	0	16
0.5a	-4	2	-21	1	2	-5	5	2	5	8	2	11	10	1	14	11	0	15
0.4a	-4	3	-21	1	4	-4	5	4	5	9	3	10	11	2	13	11	0	14
0.3a	-4	4	-19	1	6	4	5	6	4	7	5	8	9	3	10	9	0	10
0.2a	-3	4	-14	0	7	-2	1	7	3	2	6	4	2	3	5	2	0	5
0.1a	-1	3	-6	-3	6	-1	-7	6	0	-10	4	-1	-13	2	-1	-14	0	-1
BOT.	0	0	0	-10	0	-2	-23	0	-5	-33	0	-7	-39	0	-8	-41	0	-8

Table 103 Moment Coefficients along Short Side for Rectangular Tanks having Case 3 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-1	0	-3	0	2	-11	0	1	-10	0	1	-10	0	0	-9	0	0	-9
0.9a	-3	0	-13	-2	1	-11	-2	1	-10	-1	1	-9	-1	0	-8	-1	0	-8
0.8a	-3	0	-15	-3	1	-12	-2	1	-10	-2	1	-8	-2	1	-7	-2	0	-7
0.7a	-3	1	-17	-3	1	-13	-2	1	-10	-2	1	-7	-2	1	-6	-2	0	-6
0.6a	-4	1	-19	-3	2	-14	-3	2	-9	-2	1	-6	-2	1	-5	-2	0	-4
0.5a	-4	2	-21	-3	2	-14	-2	2	-8	-2	1	-5	-1	1	-3	-1	0	-2
0.4a	-4	3	-21	-3	3	-13	-2	2	-7	-1	1	-3	0	1	-1	0	0	0
0.3a	-4	4	-19	-2	3	-10	-1	2	-5	1	1	-1	1	0	1	2	0	2
0.2a	-3	4	-14	-1	2	-7	1	1	-2	2	0	1	3	0	2	3	0	3
0.1a	-1	3	-6	1	0	-2	2	1	0	2	1	2	3	1	1	3	0	2
BOT.	0	0	0	1	0	0	-1	0	0	-3	0	-1	-5	0	-1	-5	0	-1

Table 104 Deflection Coefficients along Long Side, Mid-height ($y = a/2$) for Tanks having Case 4 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	*c/a* \ *x*	End	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b
4.0	3.0	0	1.20	2.00	2.30	2.30	2.30
4.0	2.0	0	1.20	2.00	2.30	2.30	2.30
4.0	1.5	0	1.20	2.00	2.30	2.30	2.30
4.0	1.0	0	1.20	2.00	2.30	2.30	2.30
4.0	0.5	0	1.30	2.10	2.30	2.30	2.30
3.0	2.0	0	0.80	1.70	2.10	2.30	2.30
3.0	1.5	0	0.80	1.70	2.10	2.30	2.30
3.0	1.0	0	0.90	1.70	2.10	2.30	2.30
3.0	0.5	0	1.00	1.80	2.10	2.30	2.30
2.0	1.5	0	0.50	1.20	1.70	1.90	2.00
2.0	1.0	0	0.50	1.20	1.70	2.00	2.10
2.0	0.5	0	0.60	1.30	1.80	2.00	2.10
1.5	1.0	0	0.30	0.80	1.20	1.50	1.60
1.5	0.5	0	0.40	1.00	1.40	1.60	1.70
1.0	0.5	0	0.20	0.50	0.70	0.90	0.90

Table 105 Deflection Coefficients along Short Side, Mid-height ($y = a/2$) for Tanks having Case 4 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	*c/a* \ *z*	End	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c
4.0	3.0	0	0.80	1.70	2.10	2.30	2.30
4.0	2.0	0	0.50	1.10	1.70	1.90	2.00
4.0	1.5	0	0.30	0.80	1.20	1.50	1.60
4.0	1.0	0	0.10	0.30	0.50	0.60	0.70
4.0	0.5	0	-0.10	-0.10	-0.10	-0.10	-0.10
3.0	2.0	0	0.50	1.10	1.70	1.90	2.00
3.0	1.5	0	0.30	0.80	1.20	1.50	1.60
3.0	1.0	0	0.10	0.30	0.50	0.60	0.70
3.0	0.5	0	-0.10	-0.10	-0.10	-0.10	-0.10
2.0	1.5	0	0.30	0.80	1.20	1.50	1.60
2.0	1.0	0	0.10	0.30	0.50	0.60	0.70
2.0	0.5	0	-0.10	-0.10	-0.10	-0.10	-0.10
1.5	1.0	0	0.10	0.30	0.50	0.60	0.70
1.5	0.5	0	-0.10	-0.10	-0.10	-0.10	-0.10
1.0	0.5	0	0.00	-0.10	-0.10	-0.10	-0.10

Table 106 Deflection Coefficients along Long Side, Mid-span (x = *b*/2) for Tanks having Case 4 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	*c/a* \ *y*	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	0.30	0.90	1.50	2.00	2.30	2.40	2.10	1.50	0.80	0
4.0	**2.0**	0	0.30	0.90	1.50	2.00	2.30	2.40	2.10	1.50	0.80	0
4.0	**1.5**	0	0.30	0.90	1.50	2.00	2.30	2.40	2.10	1.50	0.80	0
4.0	**1.0**	0	0.30	0.90	1.50	2.00	2.30	2.40	2.10	1.50	0.80	0
4.0	**0.5**	0	0.30	0.90	1.50	2.00	2.30	2.40	2.10	1.50	0.80	0
3.0	**2.0**	0	0.30	0.90	1.50	2.00	2.30	2.40	2.00	1.50	0.80	0
3.0	**1.5**	0	0.30	0.90	1.50	2.00	2.30	2.40	2.00	1.50	0.80	0
3.0	**1.0**	0	0.30	0.90	1.50	2.00	2.30	2.40	2.00	1.50	0.80	0
3.0	**0.5**	0	0.30	0.90	1.50	2.00	2.30	2.40	2.00	1.50	0.80	0
2.0	**1.5**	0	0.20	0.80	1.40	1.80	2.00	2.00	1.80	1.30	0.70	0
2.0	**1.0**	0	0.30	0.80	1.40	1.80	2.10	2.00	1.80	1.30	0.70	0
2.0	**0.5**	0	0.30	0.80	1.40	1.90	2.10	2.10	1.80	1.30	0.70	0
1.5	**1.0**	0	0.20	0.60	1.10	1.40	1.60	1.60	1.40	1.00	0.50	0
1.5	**0.5**	0	0.20	0.70	1.20	1.50	1.70	1.70	1.40	1.10	0.60	0
1.0	**0.5**	0	0.10	0.40	0.70	0.80	0.90	0.90	0.70	0.50	0.30	0

Table 107 Deflection Coefficients along Short Side, Mid-span (z = *c*/2) for Tanks having Case 4 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	*c/a* \ *y*	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	0.30	0.90	1.50	2.00	2.30	2.30	2.00	1.50	0.80	0
4.0	**2.0**	0	0.20	0.80	1.40	1.80	2.00	2.00	1.80	1.30	0.70	0
4.0	**1.5**	0	0.20	0.60	1.10	1.40	1.60	1.50	1.30	1.00	0.50	0
4.0	**1.0**	0	0.10	0.30	0.50	0.60	0.70	0.60	0.50	0.40	0.20	0
4.0	**0.5**	0	0.00	0.00	0.00	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	0
3.0	**2.0**	0	0.20	0.80	1.40	1.80	2.00	2.00	1.80	1.30	0.70	0
3.0	**1.5**	0	0.20	0.60	1.10	1.40	1.60	1.50	1.30	1.00	0.50	0
3.0	**1.0**	0	0.10	0.30	0.50	0.60	0.70	0.60	0.50	0.40	0.20	0
3.0	**0.5**	0	0.00	0.00	0.00	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	0
2.0	**1.5**	0	0.20	0.60	1.10	1.40	1.60	1.50	1.30	1.00	0.50	0
2.0	**1.0**	0	0.10	0.30	0.50	0.60	0.70	0.60	0.50	0.40	0.20	0
2.0	**0.5**	0	0.00	0.00	0.00	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	0
1.5	**1.0**	0	0.10	0.30	0.50	0.60	0.70	0.60	0.60	0.40	0.20	0
1.5	**0.5**	0	0.00	0.00	0.00	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	0
1.0	**0.5**	0	0.00	0.00	0.00	0.00	-0.10	-0.10	-0.10	-0.10	0.00	0

Table 108 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	1	0	0	9	0	0	4	0	0	0	1	0	0	0	0	0	0
0.9a	-2	1	-11	4	8	2	8	3	3	9	2	1	10	0	2	10	0	2
0.8a	-4	1	-21	8	7	4	15	3	5	18	4	1	19	0	4	19	0	4
0.7a	-6	1	-29	11	5	6	21	2	7	25	6	0	25	0	5	25	0	5
0.6a	-7	0	-35	14	2	7	25	0	9	29	7	0	29	0	6	29	0	6
0.5a	-7	0	-37	15	2	8	26	1	9	29	7	0	29	0	6	29	0	6
0.4a	-7	0	-35	14	4	7	22	2	7	24	6	1	24	0	5	24	0	5
0.3a	-6	1	-28	10	7	6	13	3	5	13	3	1	13	0	3	13	0	3
0.2a	-4	1	-18	1	7	2	-3	2	1	-5	-1	1	-5	0	-1	-5	0	-1
0.1a	-1	1	-6	-15	5	-2	-27	2	-5	-31	-6	0	-31	0	-6	-31	0	-6
BOT.	0	0	0	-41	0	-8	-61	0	-12	-66	-13	0	-67	0	-13	-67	0	-13

Table 109 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	1	0	0	10	0	0	6	0	0	3	0	0	1	0	0	0	0
0.9a	-2	1	-11	3	9	1	7	6	3	9	3	3	9	1	2	10	0	2
0.8a	-4	1	-21	5	8	2	13	5	6	16	2	5	18	1	4	19	0	4
0.7a	-6	1	-29	7	5	3	18	3	8	23	1	7	25	0	6	25	0	6
0.6a	-7	0	-35	9	2	3	21	1	9	26	0	8	28	0	7	29	0	7
0.5a	-7	0	-37	10	1	4	22	1	9	27	1	8	29	0	7	29	0	7
0.4a	-7	0	-35	10	5	4	19	3	8	23	2	7	24	1	6	24	0	5
0.3a	-6	1	-28	7	7	4	12	5	6	13	2	4	13	1	3	13	0	3
0.2a	-4	1	-18	1	8	2	-1	5	2	-4	2	0	-5	1	-1	-5	0	-1
0.1a	-1	1	-6	-11	6	-1	-23	3	-4	-28	1	-5	-31	0	-6	-31	0	-6
BOT.	0	0	0	-31	0	-6	-54	0	-11	-63	0	-13	-66	0	-13	-66	0	-13

Table 110 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	1	0	0	9	0	0	4	0	0	1	0	0	0	0	0	0	0
0.9a	-2	1	-11	4	8	2	8	3	3	9	1	2	10	0	2	10	0	2
0.8a	-4	1	-21	8	7	4	15	3	5	18	1	4	19	0	4	19	0	4
0.7a	-6	1	-29	11	5	6	21	2	7	25	0	6	25	0	5	25	0	5
0.6a	-7	0	-34	14	2	7	25	0	9	29	0	7	29	0	6	29	0	6
0.5a	-7	0	-37	15	2	8	26	1	9	29	0	7	29	0	6	29	0	6
0.4a	-7	0	-35	14	4	7	22	2	7	24	1	6	24	0	5	24	0	5
0.3a	-6	1	-28	10	7	6	13	3	5	13	1	3	13	0	3	13	0	3
0.2a	-4	1	-18	1	7	2	-3	2	1	-5	1	-1	-5	0	-1	-5	0	-1
0.1a	-1	1	-6	-15	5	-2	-27	2	-5	-31	0	-6	-31	0	-6	-31	0	-6
BOT.	0	0	0	-41	0	-8	-61	0	-12	-66	0	-13	-67	0	-13	-67	0	-13

Table 111 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	1	0	0	9	0	0	9	0	0	6	0	0	3	0	0	0	0
0.9a	-2	1	-11	1	9	-1	4	8	2	6	6	3	8	3	3	8	0	3
0.8a	-4	1	-21	2	7	-3	8	7	4	12	5	6	15	2	6	16	0	6
0.7a	-6	1	-29	3	5	3	11	5	6	17	3	8	21	1	8	22	0	8
0.6a	-7	0	-34	4	2	-3	14	2	7	21	1	10	24	0	10	25	0	9
0.5a	-7	0	-37	5	1	-3	15	1	8	22	1	10	25	1	10	26	0	9
0.4a	-7	0	-35	5	4	-2	14	4	7	19	3	9	22	2	8	22	0	8
0.3a	-6	1	-28	4	7	-1	10	7	6	12	4	6	13	2	5	13	0	5
0.2a	-4	1	-18	1	8	0	1	7	3	-1	4	2	-2	2	1	-3	0	1
0.1a	-1	1	-6	-6	7	-1	-15	5	-2	-22	3	-4	-26	1	-5	-27	0	-5
BOT.	0	0	0	-19	0	-4	-41	0	-8	-54	0	-11	-60	0	-12	-62	0	-12

Table 112 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b 0.9b			0.2b 0.8b			0.3b 0.7b			0.4b 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	1	0	0	9	0	0	4	0	0	1	0	0	0	0	0	0	0
0.9a	-2	1	-11	4	8	2	8	3	3	9	1	2	10	0	2	10	0	2
0.8a	-4	1	-21	8	7	4	15	3	5	18	1	4	19	0	4	19	0	4
0.7a	-6	1	-29	12	5	6	21	2	7	25	0	6	25	0	5	25	0	5
0.6a	-7	0	-35	14	2	7	25	0	9	29	0	7	29	0	6	29	0	6
0.5a	-7	0	-37	15	2	8	26	1	9	29	0	7	29	0	6	29	0	6
0.4a	-7	0	-35	14	4	7	22	2	7	24	1	6	24	0	5	24	0	5
0.3a	-6	1	-28	10	7	6	13	3	5	13	1	3	13	0	3	13	0	3
0.2a	-4	1	-18	1	7	2	-3	2	1	-5	1	-1	-5	0	-1	-5	0	-1
0.1a	-1	1	-6	-15	5	-2	-27	2	-5	-31	0	-6	-31	0	-6	-31	0	-6
BOT.	0	0	0	-41	0	-8	-61	0	-12	-66	0	-13	-67	0	-13	-67	0	-13

Table 113 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	1	0	0	7	0	0	9	0	0	7	0	0	4	0	0	0	0
0.9a	-2	1	-11	0	7	-3	2	8	1	4	6	3	5	3	4	6	0	4
0.8a	-4	1	-20	0	6	-5	5	7	2	8	5	6	10	3	7	11	0	7
0.7a	-6	1	-28	1	5	-7	7	5	3	12	4	8	15	2	10	16	0	10
0.6a	-7	0	-34	1	2	-8	9	2	4	14	1	10	18	1	11	19	0	12
0.5a	-7	0	-36	1	0	-8	10	1	5	16	1	10	19	1	12	21	0	12
0.4a	-7	0	-34	2	3	-6	10	4	5	15	3	9	18	2	10	19	0	11
0.3a	-6	1	-28	2	6	-4	7	7	4	11	5	7	12	3	8	13	0	8
0.2a	-4	1	-18	0	7	-2	2	8	2	1	6	3	1	3	3	0	0	3
0.1a	-1	1	-6	-4	6	-1	-10	6	-1	-16	4	-2	-20	2	-3	-21	0	-3
BOT.	0	0	0	-12	0	-2	-31	0	-6	-44	0	-9	-51	0	-10	-53	0	-11

Table 114 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	3	0	0	9	0	0	3	0	0	1	0	0	0	0	0	0	0
0.9a	-2	2	-9	4	8	2	8	3	3	9	1	2	10	0	2	10	0	2
0.8a	-4	2	-18	9	7	4	16	3	5	18	1	4	19	0	4	10	0	4
0.7a	-5	1	-25	12	4	6	22	2	7	25	0	6	25	0	5	26	0	5
0.6a	-6	0	-30	15	2	7	25	0	9	29	0	7	29	0	6	29	0	6
0.5a	-6	1	-32	16	1	8	26	1	9	29	0	7	29	0	6	29	0	6
0.4a	-6	1	-31	14	4	8	22	2	7	24	1	6	24	0	5	24	0	5
0.3a	-5	2	-26	10	6	6	13	2	5	13	1	3	13	0	3	13	0	3
0.2a	-4	2	-18	1	7	3	-3	2	1	-5	1	-1	-5	0	-1	-5	0	-1
0.1a	-1	1	-6	-16	5	-2	-27	2	-5	-31	0	-6	-31	0	-6	-31	0	-6
BOT.	0	0	0	-42	0	-8	-62	0	-12	-66	0	-13	-67	0	-13	-67	0	-13

Table 115 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b*/*a* = 4.0, *c*/*a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	3	0	0	3	0	0	5	0	0	4	0	0	3	0	0	0	0
0.9a	-2	2	-9	-1	3	4	0	5	0	1	4	2	2	3	3	2	0	3
0.8a	-4	2	-18	-2	3	-7	0	4	-1	2	4	4	3	2	6	4	0	6
0.7a	-6	1	-25	-2	3	-10	1	3	-1	3	3	5	5	2	8	6	0	9
0.6a	-7	0	-30	-2	2	-12	2	2	0	5	2	6	7	1	10	8	0	11
0.5a	-7	1	-32	-2	1	-12	3	0	0	7	0	7	9	0	11	10	0	12
0.4a	-7	1	-31	-1	1	-11	4	2	1	8	2	7	10	1	10	11	0	11
0.3a	-6	2	-26	0	3	-8	4	4	1	7	4	6	9	2	9	10	0	9
0.2a	-4	2	-18	0	4	-5	2	6	1	4	5	4	4	3	5	4	0	5
0.1a	-1	1	-6	-1	4	-2	-3	5	0	-6	4	0	-8	2	0	-9	0	0
BOT.	0	0	0	-5	0	-1	-16	0	-3	-25	0	-5	-31	0	-6	-33	0	-7

Table 116 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	6	0	0	8	0	0	3	0	0	1	0	0	0	0	0	0	0
0.9a	-1	6	-6	5	8	3	8	3	3	10	1	2	10	0	2	10	0	2
0.8a	-2	5	-12	10	6	5	16	2	5	18	1	4	19	0	4	19	0	4
0.7a	-3	3	-17	14	4	7	22	1	7	25	0	6	25	0	5	26	0	5
0.6a	-4	1	-20	16	2	8	26	0	8	29	0	7	29	0	6	29	0	6
0.5a	-4	1	-22	17	1	9	26	1	8	29	0	7	29	0	6	29	0	6
0.4a	-4	3	-22	16	4	8	22	2	7	24	0	6	24	0	5	24	0	5
0.3a	-4	4	-20	10	6	6	13	2	5	13	1	3	13	0	3	13	0	3
0.2a	-3	5	-14	0	7	3	-3	2	0	-5	0	-1	-5	0	-1	-5	0	-1
0.1a	-1	4	-6	-17	5	-3	-28	1	-5	-31	0	-6	-31	0	-6	-31	0	-6
BOT.	0	0	0	-45	0	-9	-62	0	-12	-66	0	-13	-67	0	-13	-67	0	-13

Table 117 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	6	0	0	3	0	0	2	0	0	1	0	0	0	0	0	0	0
0.9a	-1	6	-6	-1	3	-4	-1	2	-3	-1	1	-2	-1	0	-1	-1	0	-1
0.8a	-2	5	-12	-2	2	-8	-2	1	-5	-2	1	-4	-2	0	-2	-2	0	-2
0.7a	-3	3	-17	-3	1	-11	-3	1	-7	-3	0	-5	-3	0	-3	-3	0	-2
0.6a	-4	1	-20	-4	0	-14	-3	0	-8	-3	0	-5	-3	0	-3	-3	0	-2
0.5a	-4	1	-22	-4	1	-14	-3	1	-8	-3	1	-4	-2	0	-2	-2	0	-1
0.4a	-4	3	-22	-3	2	-14	-2	2	-7	-2	1	-3	-1	0	0	-1	0	0
0.3a	-4	4	-20	-2	3	-11	-1	2	-5	0	1	-1	1	0	1	1	0	2
0.2a	-3	5	-14	-1	2	-7	1	1	-2	2	0	0	3	0	2	3	0	3
0.1a	-1	4	-6	1	1	-2	2	1	0	2	1	1	3	0	1	3	0	2
BOT.	0	0	0	1	0	0	-1	0	0	-3	0	-1	-4	0	-1	-5	0	-1

Table 118 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b 0.9b			0.2b 0.8b			0.3b 0.7b			0.4b 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	1	0	0	10	0	0	6	0	0	3	0	0	1	0	0	0	0
0.9a	-2	1	-11	3	9	1	7	6	3	9	3	3	10	1	2	10	0	2
0.8a	-4	1	-21	5	8	2	13	5	6	16	2	5	18	1	4	18	0	4
0.7a	-6	0	-29	7	5	3	18	3	8	23	1	7	25	0	6	25	0	6
0.6a	-7	0	-35	9	2	3	21	1	9	26	0	8	29	0	7	29	0	7
0.5a	-7	0	-37	10	1	4	22	1	9	27	1	8	29	0	7	29	0	7
0.4a	-7	0	-35	10	5	4	19	3	8	23	2	7	24	1	6	24	0	5
0.3a	-6	0	-29	7	7	4	12	4	6	13	2	4	13	1	3	13	0	3
0.2a	-4	1	-18	1	8	2	-1	5	2	-4	2	0	-5	1	-1	-5	0	-1
0.1a	-1	1	-6	-11	6	-1	-23	3	-4	-28	1	-5	-31	0	-6	-31	0	-6
BOT.	0	0	0	-31	0	-6	-54	0	-11	-63	0	-13	-66	0	-13	-66	0	-13

Table 119 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c 0.9c			0.2c 0.8c			0.3c 0.7c			0.4c 0.6c			0.5c		
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	1	0	0	9	0	0	9	0	0	6	0	0	3	0	0	0	0
0.9a	-2	1	-11	1	9	-1	4	8	2	6	6	3	8	3	3	8	0	3
0.8a	-4	1	-21	2	7	-3	8	7	4	12	5	6	15	2	6	16	0	6
0.7a	-6	0	-29	3	5	-3	11	5	6	17	3	8	21	1	8	22	0	8
0.6a	-7	0	-35	4	2	-3	14	2	7	21	1	10	24	0	10	25	0	9
0.5a	-7	0	-37	5	1	-3	15	1	8	22	1	10	25	1	10	26	0	9
0.4a	-7	0	-35	5	4	-2	14	4	7	19	3	9	22	2	8	22	0	8
0.3a	-6	0	-29	4	7	-1	10	7	6	12	4	6	13	2	5	13	0	5
0.2a	-4	1	-18	1	8	0	1	7	3	-1	4	2	-2	2	1	-3	0	1
0.1a	-1	1	-6	-6	7	-1	-15	5	-2	-22	3	-4	-26	1	-5	-27	0	-5
BOT.	0	0	0	-19	0	-4	-41	0	-8	-54	0	-11	-60	0	-12	-62	0	-12

Table 120 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	1	0	0	10	0	0	6	0	0	3	0	0	1	0	0	0	0
0.9a	-2	1	-11	3	9	1	7	6	3	9	3	3	9	1	2	10	0	2
0.8a	-4	1	-20	5	8	2	13	5	6	16	2	5	18	1	4	18	0	4
0.7a	-6	0	-28	8	5	3	18	3	8	23	1	7	25	0	6	25	0	6
0.6a	-7	0	-34	9	2	3	21	1	9	26	0	8	28	0	7	29	0	7
0.5a	-7	0	-36	10	1	4	22	1	9	27	1	8	29	0	7	29	0	7
0.4a	-7	0	-34	10	5	4	19	3	8	23	1	7	24	1	6	24	0	5
0.3a	-6	1	-28	7	7	4	12	4	6	13	2	4	13	1	3	13	0	3
0.2a	-4	1	-18	1	8	2	-1	4	2	-4	2	0	-5	1	-1	-5	0	-1
0.1a	-1	1	-6	-11	6	-1	-23	3	-4	-28	1	-5	-31	0	-6	-31	0	-6
BOT.	0	0	0	-31	0	-6	-54	0	-11	-63	0	-13	-66	0	-13	-66	0	-13

Table 121 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	1	0	0	7	0	0	9	0	0	7	0	0	4	0	0	0	0
0.9a	-2	1	-11	0	7	-3	2	8	1	4	6	3	5	3	4	6	0	4
0.8a	-4	1	-20	0	6	-5	5	7	2	8	5	6	10	3	7	11	0	7
0.7a	-6	0	-28	1	5	-7	7	5	3	12	4	8	15	2	10	16	0	10
0.6a	-7	0	-34	1	2	-8	9	2	4	14	1	10	18	1	11	19	0	12
0.5a	-7	0	-36	1	0	-8	10	1	5	16	1	10	19	1	12	21	0	12
0.4a	-7	0	-34	2	3	-6	10	4	6	15	3	9	18	2	10	19	0	11
0.3a	-6	1	-28	2	6	-4	7	7	4	11	5	7	12	3	8	13	0	8
0.2a	-4	1	-18	0	7	-2	2	8	2	1	6	3	1	3	3	0	0	3
0.1a	-1	1	-6	-4	6	-1	-10	6	-1	-16	4	-2	-20	2	-3	-21	0	-3
BOT.	0	0	0	-12	0	-2	-31	0	-6	-44	0	-9	-51	0	-10	-53	0	-11

Table 122 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0		0	2	10	0	0	6	0	0	3	0	0	1	0	0	0	0
0.9a	-2		-9	2	9	1	7	6	3	9	2	3	9	1	2	10	0	2
0.8a	-4		-18	2	8	2	13	5	6	17	2	5	18	1	4	18	0	4
0.7a	-5		-25	1	5	3	18	3	8	23	1	7	25	0	6	25	0	6
0.6a	-6		-30	0	2	4	21	1	9	27	0	8	29	0	7	29	0	7
0.5a	-6		-32	1	1	5	22	1	9	27	1	8	29	0	7	29	0	6
0.4a	-6		-31	1	5	5	20	3	8	23	1	7	24	0	6	24	0	5
0.3a	-5		-27	2	7	4	12	4	6	13	2	4	13	1	3	13	0	3
0.2a	-4		-18	2	8	2	-1	4	2	-4	2	0	-5	1	-1	-5	0	-1
0.1a	-1		-6	1	6	-1	-23	3	-4	-29	1	-5	-31	0	-6	-31	0	-6
BOT.	0		0	0	0	-7	-55	0	-11	-63	0	-13	-66	0	-13	-66	0	-13

Table 123 Moment Coefficients along Short side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	2	0	0	3	0	0	5	0	0	4	0	0	3	0	0	0	0
0.9a	-2	2	-9	-1	3	-4	0	5	0	1	4	2	2	2	3	2	0	3
0.8a	-4	2	-18	-2	3	-7	0	4	-1	2	4	4	3	2	6	4	0	6
0.7a	-5	1	-25	-2	3	-10	1	3	-1	3	3	5	5	2	8	6	0	9
0.6a	-6	0	-30	-2	2	-12	2	2	0	5	2	6	7	1	10	8	0	11
0.5a	-6	1	-32	-2	1	-12	3	0	0	6	0	7	9	0	11	10	0	12
0.4a	-6	1	-31	-1	1	-11	4	2	1	8	2	7	10	1	10	11	0	11
0.3a	-5	2	-27	-0	3	-8	4	4	1	7	4	6	9	2	9	10	0	9
0.2a	-4	2	-18	-0	4	-5	2	6	1	4	5	4	4	3	5	4	0	5
0.1a	-1	1	-6	-1	4	-2	-3	4	0	-6	4	0	-8	2	0	-9	0	0
BOT.	0	0	0	-5	0	-1	-16	0	-3	-25	0	-5	-31	0	-6	-33	0	-7

Table 124 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	6	0	0	9	0	0	5	0	0	2	0	0	1	0	0	0	0
0.9a	-1	5	-6	4	9	2	9	5	3	9	2	3	10	1	2	10	0	2
0.8a	-2	5	-12	7	7	3	14	4	6	17	2	5	18	1	4	18	0	4
0.7a	-3	3	-17	10	5	5	19	3	8	23	1	7	25	0	6	25	0	6
0.6a	-4	1	-20	12	2	6	22	1	9	27	0	8	29	0	7	29	0	6
0.5a	-4	1	-22	13	1	7	23	1	9	27	1	8	29	0	7	29	0	6
0.4a	-4	3	-22	12	5	6	20	3	8	23	1	7	24	0	6	24	0	5
0.3a	-4	4	-20	8	7	5	12	4	6	13	2	4	13	0	3	13	0	3
0.2a	-3	5	-14	1	8	3	-2	4	1	-4	1	0	-5	0	-1	-5	0	-1
0.1a	-1	4	-6	-13	6	-2	-24	3	-4	-29	1	-6	-31	0	-6	-31	0	-6
BOT.	0	0	0	-36	0	-7	-57	0	-11	-64	0	-13	-66	0	-13	-66	0	-13

Table 125 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	6	0	0	3	0	0	2	0	0	1	0	0	0	0	0	0	0
0.9a	-1	5	-6	-1	3	-4	-1	2	-3	-1	1	-2	-1	0	-1	-1	0	-1
0.8a	-2	5	-12	-2	2	-8	-2	1	-5	-2	1	-4	-2	0	-2	-2	0	-2
0.7a	-3	3	-17	-3	1	-11	-3	1	-7	-3	0	-5	-3	0	-3	-3	0	-2
0.6a	-4	1	-20	-4	0	-14	-3	0	-8	-3	0	-5	-3	0	-3	-3	0	-2
0.5a	-4	1	-22	-4	1	-14	-3	1	-8	-3	1	-4	-2	0	-2	-2	0	-1
0.4a	-4	3	-22	-3	2	-14	-2	2	-7	-2	1	-3	-1	1	0	-1	0	0
0.3a	-4	4	-20	-2	3	-11	-1	2	-5	0	1	-1	1	0	1	1	0	2
0.2a	-3	5	-14	-1	2	-7	1	1	-2	2	0	0	3	0	2	3	0	3
0.1a	-1	4	-6	1	1	-2	2	1	0	2	1	1	3	1	1	3	0	2
BOT.	0	0	0	1	0	0	-1	0	0	-3	0	-1	-4	0	-1	-5	0	-1

Table 126 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b*/*a* = 2.0, *c*/*a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	1	-0	0	9	0	0	9	0	0	6	0	0	3	0	0	0	0
0.9a	-2	1	-11	1	9	-1	4	8	2	6	5	3	8	3	3	8	0	3
0.8a	-4	1	-20	2	7	-2	8	7	4	12	4	6	15	2	6	16	0	6
0.7a	-6	0	-28	3	5	-3	11	5	6	17	3	8	21	1	8	22	0	8
0.6a	-7	0	-34	4	2	3	14	2	7	21	1	10	24	0	10	25	0	9
0.5a	-7	0	-36	5	1	-3	15	1	8	22	1	10	25	1	10	26	0	9
0.4a	-7	0	-34	5	4	-2	14	4	7	19	3	9	22	1	8	23	0	8
0.3a	-6	0	-28	4	7	-1	10	7	6	12	4	6	13	2	5	13	0	5
0.2a	-4	1	-18	1	8	0	1	7	3	-1	4	2	-2	2	1	-3	0	1
0.1a	-1	1	-6	-6	7	-1	-15	5	-2	-22	3	-4	-26	1	-5	-27	0	-5
BOT.	0	0	0	-19	0	-4	-41	0	-8	-54	0	-11	-60	0	-12	-62	0	-12

Table 127 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	-0	1	0	7	0	0	9	0	0	7	0	0	4	0	0	0	0
0.9a	-2	-11	1	0	7	-3	2	8	1	4	6	3	5	3	4	6	0	4
0.8a	-4	-20	1	0	6	-5	5	7	2	8	5	6	10	3	7	11	0	7
0.7a	-6	-28	0	1	5	-7	7	5	3	12	4	8	15	2	10	16	0	10
0.6a	-7	-34	0	1	2	-8	9	2	4	14	1	10	18	1	11	19	0	12
0.5a	-7	-36	0	1	0	-8	10	1	5	16	1	10	19	1	12	21	0	12
0.4a	-7	-34	0	2	3	-6	10	4	5	15	3	9	18	2	10	19	0	11
0.3a	-6	-28	0	2	6	-4	7	7	4	11	5	7	12	3	8	13	0	8
0.2a	-4	-18	1	0	7	-2	2	8	2	1	6	3	1	3	3	0	0	3
0.1a	-1	-6	1	-4	6	1	-10	6	-1	-16	4	-2	-20	2	-3	-21	0	-3
BOT.	0	0	0	-12	0	-2	-31	0	-6	-44	0	-9	-51	0	-10	-53	0	-11

Table 128 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	2	0	0	9	0	0	8	0	0	6	0	0	3	0	0	0	0
0.9a	-2	2	-9	1	9	-1	4	8	2	7	5	3	8	2	3	8	0	3
0.8a	-4	2	-18	3	8	-2	8	7	4	13	4	6	15	2	6	16	0	6
0.7a	-5	1	-25	4	5	-2	12	4	6	18	3	8	21	1	8	22	0	8
0.6a	-6	0	-30	5	2	-2	15	2	8	21	1	10	25	0	9	26	0	9
0.5a	-6	1	-32	5	1	-1	16	1	8	22	1	10	25	1	10	26	0	9
0.4a	-6	1	-31	5	4	-1	14	4	8	20	3	9	22	1	8	23	0	8
0.3a	-5	2	-27	4	7	0	10	6	6	12	4	6	13	2	5	13	0	5
0.2a	-4	2	-18	1	8	0	1	7	3	-1	4	2	-2	2	1	-3	0	1
0.1a	-1	1	-6	-6	7	-1	-16	5	-2	-23	3	-4	-27	1	-5	-28	0	-5
BOT.	0	0	0	-21	0	-4	-42	0	-8	-55	0	-11	-61	0	-12	-63	0	-13

Table 129 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	2	0	0	3	0	0	5	0	0	4	0	0	3	0	0	0	0
0.9a	-2	2	-9	-1	3	-4	0	5	0	1	4	2	2	2	3	2	0	3
0.8a	-4	2	-18	-2	3	-7	0	4	-1	2	4	4	3	2	6	4	0	6
0.7a	-5	1	-25	-2	3	-10	1	3	-1	3	3	5	5	2	8	6	0	9
0.6a	-6	0	-30	-2	2	-12	2	2	0	5	2	6	7	1	10	8	0	11
0.5a	-6	1	-32	-2	1	-12	3	0	0	7	0	7	9	0	11	10	0	12
0.4a	-6	1	-31	-1	1	-11	4	2	1	8	2	7	10	1	10	11	0	11
0.3a	-5	2	-27	0	3	-8	4	4	1	7	4	6	9	2	9	10	0	9
0.2a	-4	2	-18	0	4	-5	2	6	1	4	5	4	4	3	5	4	0	5
0.1a	-1	1	-6	-1	4	-2	-3	5	0	-6	4	0	-8	2	0	-9	0	0
BOT.	0	0	0	-5	0	-1	-16	0	-3	-25	0	-5	-31	0	-6	-33	0	-7

Table 130 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	6	0	0	10	0	0	8	0	0	5	0	0	2	0	0	0	0
0.9a	-1	5	-6	2	9	0	5	8	3	7	5	3	8	2	3	8	0	3
0.8a	-2	4	-12	4	8	1	10	6	5	13	4	6	16	2	6	16	0	6
0.7a	-3	3	-17	6	6	1	13	4	7	19	2	8	22	1	8	22	0	8
0.6a	-4	1	-20	7	2	1	16	2	8	22	1	10	25	0	9	26	0	9
0.5a	-4	1	-22	8	1	2	17	1	9	23	1	10	26	1	9	27	0	9
0.4a	-4	3	-22	7	4	2	16	4	8	20	3	9	22	1	8	23	0	8
0.3a	-4	4	-20	5	7	2	10	6	6	13	4	6	13	2	5	13	0	5
0.2a	-3	5	-14	1	9	-1	0	7	3	-1	4	2	-3	2	1	-3	0	0
0.1a	-1	3	-6	-8	7	1	-17	5	-3	-24	3	-4	-27	1	-5	-28	0	-5
BOT.	0	0	0	-25	0	-5	-45	0	-9	-57	0	-11	-62	0	-12	-63	0	13

Table 131 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	6	0	0	3	0	0	2	0	0	1	0	0	0	0	0	0	0
0.9a	-1	5	-6	-1	3	-4	-1	2	-3	-1	1	-2	-1	0	-1	-1	0	-1
0.8a	-2	4	-12	-2	2	-8	-2	1	-5	-2	1	-4	-2	0	-2	-2	0	-2
0.7a	-3	3	-17	-3	1	-11	-3	1	-7	-3	0	-5	-3	0	-3	-3	0	-2
0.6a	-4	1	-20	-4	0	-14	-3	0	-8	-3	0	-5	-3	0	-3	-3	0	2
0.5a	-4	1	-22	-4	1	-14	-3	1	-8	-3	1	-4	-2	0	-2	-2	0	-1
0.4a	-4	3	-22	-3	2	-14	-2	2	-7	-2	1	-3	-1	1	0	-1	0	0
0.3a	-4	4	-20	-2	3	-11	-1	2	-5	0	1	-1	1	0	1	1	0	2
0.2a	-3	5	-14	-1	2	-7	1	1	-2	2	0	0	3	0	2	3	0	3
0.1a	-1	3	-6	1	1	-2	2	1	0	2	1	1	3	1	1	3	0	2
BOT.	0	0	0	1	0	0	-1	0	0	-3	0	-1	-4	0	-1	-5	0	-1

Table 132 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	2	0	0	8	0	0	8	0	0	6	0	0	3	0	0	0	0
0.9a	-2	2	-9	1	8	-2	3	8	1	4	6	3	6	2	4	6	0	4
0.8a	-3	1	-17	1	7	-4	5	7	3	9	5	6	11	3	7	12	0	7
0.7a	-5	1	-24	2	5	-5	8	5	4	12	3	8	15	2	10	16	0	10
0.6a	-6	0	-29	2	2	-6	9	2	5	15	1	10	19	1	11	20	0	12
0.5a	-6	0	-32	2	0	-6	11	1	6	17	1	10	20	1	12	21	0	12
0.4a	-6	1	-31	3	3	-5	10	4	6	15	3	9	18	2	10	19	0	11
0.3a	5	1	-26	2	6	-3	8	7	5	11	5	7	12	2	7	13	0	7
0.2a	-4	1	-18	0	8	-2	2	8	3	1	5	3	0	3	3	0	0	3
0.1a	-1	1	-6	-4	7	-1	-11	6	-1	-16	4	-2	-20	2	-3	-22	0	-3
BOT.	0	0	0	-14	0	-3	-32	0	-6	-45	0	-9	-52	0	-10	-54	0	-11

Table 133 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	2	0	0	3	0	0	5	0	0	4	0	0	3	0	0	0	0
0.9a	-2	2	-9	-1	3	-4	0	5	0	1	4	2	2	2	3	2	0	3
0.8a	-3	1	-17	-1	3	-7	1	4	0	2	4	4	3	2	6	4	0	7
0.7a	-5	1	-24	-2	3	-10	1	3	0	4	3	5	5	2	8	6	0	9
0.6a	-6	0	-29	-2	2	-11	5	2	0	5	2	7	7	1	10	8	0	11
0.5a	-6	0	-32	-2	1	-12	3	0	0	7	0	7	9	0	11	10	0	12
0.4a	-6	1	-31	-1	1	-11	4	2	1	8	2	7	10	1	11	11	0	11
0.3a	5	1	-26	0	3	-8	4	4	2	7	4	6	9	2	9	10	0	9
0.2a	-4	1	-18	0	4	-5	2	6	1	4	5	4	4	3	5	4	0	5
0.1a	-1	1	-6	-1	4	-2	-3	5	0	-6	4	0	-8	2	0	-9	0	0
BOT.	0	0	0	-5	0	-1	-16	0	-3	-26	0	-5	-31	0	-6	-33	0	-7

Table 134 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b 0.9b			0.2b 0.8b			0.3b 0.7b			0.4b 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	5	0	0	9	0	0	9	0	0	6	0	0	3	0	0	0	0
0.9a	-1	5	--6	1	9	-1	3	8	2	5	6	3	6	3	4	6	0	4
0.8a	-2	4	-11	2	7	-1	7	7	4	10	5	6	12	2	7	13	0	7
0.7a	-3	3	-16	3	5	-2	9	5	6	14	3	9	17	2	10	18	0	10
0.6a	-4	1	-20	4	3	-2	12	2	7	17	1	10	20	1	11	21	0	11
0.5a	-4	1	-22	5	1	-1	13	1	7	18	1	11	21	1	11	22	0	12
0.4a	-4	3	-22	5	4	-1	12	4	7	17	3	10	19	2	10	20	0	10
0.3a	-4	4	-20	3	7	0	9	7	6	11	5	7	13	2	7	13	0	7
0.2a	-3	4	-14	0	8	0	1	7	3	1	5	3	0	2	3	-1	0	2
0.1a	-1	3	-6	-6	7	-1	-12	6	-1	-18	4	-3	-22	2	-4	-23	0	-4
BOT.	0	0	0	-18	0	-4	-36	0	-7	-48	0	-10	-54	0	-11	-56	0	-11

Table 135 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c 0.9c			0.2c 0.8c			0.3c 0.7c			0.4c 0.6c			0.5c		
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	5	0	0	3	0	0	2	0	0	1	0	0	0	0	0	0	0
0.9a	-1	5	--6	-1	3	-4	-1	2	-3	-1	1	-2	-1	0	-1	-1	0	-1
0.8a	-2	4	-11	-2	2	-8	-2	1	-5	-2	1	-3	-2	0	-2	-2	0	-2
0.7a	-3	3	-16	-3	1	-11	-3	1	-7	-3	0	-4	-3	0	-3	-2	0	-2
0.6a	-4	1	-20	-4	0	-13	-3	0	-8	-3	0	-5	-3	0	-3	-3	0	-2
0.5a	-4	1	-22	-4	1	-14	-3	1	-8	-3	1	-4	-2	0	-2	-2	0	-1
0.4a	-4	3	-22	-3	2	-13	-2	2	-7	-2	1	-3	-1	1	0	-1	0	1
0.3a	-4	4	-20	-2	3	-11	-1	2	-5	0	1	-1	1	0	1	1	0	2
0.2a	-3	4	-14	-1	2	-7	1	1	-2	2	0	0	3	0	2	3	0	3
0.1a	-1	3	-6	1	1	-2	2	1	0	2	1	1	3	1	1	3	0	2
BOT.	0	0	0	1	0	0	-1	0	0	-3	0	-1	-4	0	-1	-5	0	-1

Table 136 Moment Coefficients along Long Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b 0.9b			0.2b 0.8b			0.3b 0.7b			0.4b 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	4	0	0	6	0	0	6	0	0	5	0	0	3	0	0	0	0
0.9a	-1	4	5	0	6	-1	1	6	1	2	5	3	3	2	4	3	0	4
0.8a	-2	3	9	1	5	-2	3	5	2	4	4	5	6	2	7	6	0	7
0.7a	-3	2	13	1	4	-3	4	4	3	7	3	7	8	2	9	9	0	10
0.6a	-3	1	17	1	2	-4	5	2	4	8	2	9	10	1	11	11	0	12
0.5a	-4	0	19	1	0	-4	6	0	5	10	0	10	12	0	12	13	0	13
0.4a	-4	2	20	2	2	-4	6	2	5	10	2	9	12	1	11	13	0	12
0.3a	-4	3	-18	1	5	-3	5	5	4	8	4	8	10	2	9	11	0	9
0.2a	-3	3	-14	0	6	-2	2	6	3	3	5	4	3	3	5	3	0	5
0.1a	-1	3	-6	-3	6	-1	-6	6	0	9	4	0	-11	2	-1	-2	0	-1
BOT.	0	0	0	-10	0	-2	-22	0	-4	-31	2	-6	-37	0	-7	-39	0	-8

Table 137 Moment Coefficients along Short Side for Rectangular Tanks having Case 4 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	4	0	0	2	0	0	1	0	0	1	0	0	0	0	0	0	0
0.9a	-1	4	5	-1	2	-3	-1	1	-2	-1	0	-1	-1	0	-1	-1	0	-1
0.8a	-2	3	9	-2	2	-6	-1	1	-4	-1	0	-2	-1	0	-1	-1	0	-1
0.7a	-3	2	13	-2	1	-9	-2	0	-5	-2	0	-3	-2	0	-1	-2	0	-1
0.6a	-3	1	17	-3	0	-11	-2	0	-6	-2	0	-3	-2	0	-1	-2	0	0
0.5a	-4	0	19	-3	1	-12	-2	1	-6	-2	1	-2	-1	0	0	-1	0	1
0.4a	-4	2	20	-3	2	-12	-2	1	-5	-1	1	-1	0	0	1	0	0	2
0.3a	-4	3	-18	-2	2	-10	-1	1	-4	0	1	0	1	0	2	1	0	3
0.2a	-3	3	-14	-1	1	-6	1	0	-2	2	0	1	3	0	3	3	0	3
0.1a	-1	3	-6	0	0	-2	1	1	0	2	1	1	2	1	1	2	0	2
BOT.	0	0	0	0	0	0	-2	0	0	-4	0	-1	-6	0	-1	-6	0	-1

Table 138 Deflection Coefficients along Long side, mid-height ($y = a/2$) for tanks having Case 5 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	x / c/a	End	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b	
4.0	3.0	0	4.60	9.30	11.60	12.40	12.70
4.0	2.0	0	4.70	9.30	11.60	12.50	12.70
4.0	1.5	0	4.80	9.40	11.60	12.50	12.70
4.0	1.0	0	5.20	9.60	11.70	12.50	12.70
4.0	0.5	0	2.60	9.90	11.80	12.50	12.70
3.0	2.0	0	3.20	7.30	10.00	11.30	11.70
3.0	1.5	0	3.30	7.40	10.00	11.30	11.70
3.0	1.0	0	3.70	7.70	10.20	11.40	11.80
3.0	0.5	0	4.10	8.00	10.40	11.60	11.90
2.0	1.5	0	1.70	4.40	6.70	8.10	8.50
2.0	1.0	0	2.10	4.80	7.00	8.40	8.80
2.0	0.5	0	2.50	5.30	7.40	8.70	9.10
1.5	1.0	0	1.20	2.90	4.40	5.40	5.70
1.5	0.5	0	1.60	3.40	5.00	5.90	6.30
1.5	0.5	0	0.60	1.40	2.00	2.50	2.60

Table 139 Deflection Coefficients along Short Side, Mid-height ($y = a/2$) for Tanks having Case 5 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	z / c/a	End	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c	
4.0	3.0	0	3.10	7.20	9.90	11.30	11.70
4.0	2.0	0	1.50	4.20	6.50	7.90	8.40
4.0	1.5	0	0.70	2.30	3.80	4.80	5.10
4.0	1.0	0	-0.10	0.30	0.70	1.10	1.20
4.0	0.5	0	-0.40	-0.60	-0.70	-0.80	-0.80
3.0	2.0	0	1.50	4.20	6.50	7.90	8.40
3.0	1.5	0	0.70	2.30	3.80	4.80	5.10
3.0	1.0	0	-0.10	0.30	0.70	1.10	1.20
3.0	0.5	0	-0.40	-0.60	-0.70	-0.80	-0.80
2.0	1.5	0	0.70	2.30	3.80	4.80	5.20
2.0	1.0	0	-1.10	0.30	0.80	1.10	1.20
2.0	0.5	0	-0.30	-0.60	-0.70	-0.70	-0.80
1.5	1.0	0	0.00	0.50	0.90	1.30	1.40
1.5	0.5	0	-0.30	-0.50	-0.60	-0.60	-0.70
1.5	0.5	0	-0.20	-0.30	-0.30	-0.30	-0.30

Table 140 Deflection Coefficients along Long Side, Mid-span (x = *b*/2) for Tanks having Case 5 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	c/a \ y	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	4.00	7.50	10.30	12.10	12.70	12.10	10.30	7.50	4.00	0
4.0	**2.0**	0	4.00	7.50	10.30	12.10	12.70	12.10	10.30	7.50	4.00	0
4.0	**1.5**	0	4.00	7.50	10.30	12.10	12.70	12.10	10.30	7.50	4.00	0
4.0	**1.0**	0	4.00	7.50	10.30	12.10	12.70	12.10	10.30	7.50	4.00	0
4.0	**0.5**	0	4.00	7.60	10.40	12.10	12.70	12.10	10.40	7.60	4.00	0
3.0	**2.0**	0	3.70	7.00	9.50	11.10	11.70	11.10	9.50	7.00	3.70	0
3.0	**1.5**	0	3.70	7.00	9.50	11.20	11.70	11.20	9.50	7.00	3.70	0
3.0	**1.0**	0	3.70	7.00	9.60	11.20	11.80	11.20	9.60	7.00	3.70	0
3.0	**0.5**	0	3.70	7.10	9.70	11.40	11.90	11.40	9.70	7.10	3.70	0
2.0	**1.5**	0	2.70	5.10	7.00	8.10	8.50	8.10	7.00	5.10	2.70	0
2.0	**1.0**	0	2.80	5.30	7.20	8.40	8.80	8.40	7.20	5.30	2.80	0
2.0	**0.5**	0	2.90	5.50	7.50	8.70	9.10	8.70	7.50	5.50	2.90	0
1.5	**1.0**	0	1.80	3.40	4.70	5.50	5.70	5.50	4.70	3.40	1.80	0
1.5	**0.5**	0	2.00	3.80	5.10	6.00	6.30	6.00	5.10	3.80	2.00	0
1.0	**0.5**	0	0.90	1.60	2.20	2.50	2.60	2.50	2.20	1.60	0.90	0

Table 141 Deflection Coefficients along Short Side, Mid-span (z = *c*/2) for Tanks having Case 5 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	c/a \ y	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	3.70	6.90	9.50	11.10	11.70	11.10	9.50	6.90	3.70	0
4.0	**2.0**	0	2.70	5.00	6.90	8.00	8.40	8.00	6.90	5.00	2.70	0
4.0	**1.5**	0	1.60	3.10	4.20	4.90	5.10	4.90	4.20	3.10	1.60	0
4.0	**1.0**	0	0.40	0.80	1.00	1.10	1.20	1.10	1.00	0.80	0.40	0
4.0	**0.5**	0	-0.20	-0.40	-0.60	-0.80	-0.80	-0.80	-0.60	-0.40	-0.20	0
3.0	**2.0**	0	2.70	5.00	6.90	8.00	8.40	8.00	6.90	5.00	2.70	0
3.0	**1.5**	0	1.60	3.10	4.20	4.90	5.10	4.90	4.20	3.10	1.60	0
3.0	**1.0**	0	0.40	0.80	1.00	1.10	1.20	1.10	1.00	0.80	0.40	0
3.0	**0.5**	0	-0.20	-0.40	-0.60	-0.80	-0.80	-0.80	-0.60	-0.40	-0.20	0
2.0	**1.5**	0	1.70	3.10	4.20	4.90	5.20	4.90	4.20	3.10	1.70	0
2.0	**1.0**	0	0.40	0.80	1.10	1.20	1.20	1.20	1.10	0.80	0.40	0
2.0	**0.5**	0	-0.20	-0.40	-0.60	-0.70	-0.80	-0.70	-0.60	-0.40	-0.20	0
1.5	**1.0**	0	0.50	0.90	1.20	1.40	1.40	1.40	1.20	0.90	0.50	0
1.5	**0.5**	0	-0.20	-0.40	-0.50	-0.60	-0.70	-0.60	-0.50	-0.40	-0.20	0
1.0	**0.5**	0	-0.10	-0.20	-0.30	-0.30	-0.30	-0.30	-0.30	-0.20	-0.10	0

Table 142 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	4	0	0	37	0	0	21	0	0	9	0	0	3	0	0	0	0
0.9a	-9	3	-45	20	35	7	35	20	12	41	8	11	43	3	10	44	10	10
0.8a	-16	2	-80	32	30	12	60	17	21	73	7	19	77	2	18	78	17	17
0.7a	-21	2	-105	39	22	15	78	12	28	95	5	25	101	2	23	103	22	22
0.6a	-24	1	-120	43	11	17	88	7	32	108	3	29	115	1	27	117	26	26
0.5a	-25	0	-125	45	0	18	91	0	34	112	0	31	120	0	28	122	27	27
0.4a	-24	1	-120	43	11	17	88	7	32	108	3	29	115	1	27	117	26	26
0.3a	-21	2	-105	39	22	15	78	12	28	95	5	25	101	2	23	103	22	22
0.2a	-16	2	-80	32	30	12	60	17	21	73	7	19	77	2	18	78	17	17
0.1a	-9	3	-45	20	35	7	35	20	12	41	8	11	43	3	10	44	10	10
BOT.	0	4	0	0	37	0	0	21	0	0	9	0	0	3	0	0	0	0

Table 143 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for b/a = 4.0, c/a = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	4	0	0	38	0	0	30	0	0	17	0	0	7	0	0	0	0
0.9a	-9	3	-45	14	36	2	28	28	11	36	16	12	40	7	11	41	0	11
0.8a	-16	2	-80	21	30	3	48	24	20	64	14	21	71	6	20	73	0	19
0.7a	-21	2	-105	25	22	3	62	17	26	83	10	28	93	4	27	96	0	26
0.6a	-24	1	-120	27	12	3	69	9	30	94	5	32	106	2	31	109	0	30
0.5a	-25	0	-125	28	0	3	72	0	31	98	0	34	110	0	32	114	0	31
0.4a	-24	1	-120	27	12	3	69	9	30	94	5	32	106	2	31	109	0	30
0.3a	-21	2	-105	25	22	3	62	17	26	83	10	28	93	4	27	96	0	26
0.2a	-16	2	-80	21	30	3	48	24	20	64	14	21	71	6	20	73	0	19
0.1a	-9	3	-45	14	36	2	28	28	11	36	16	12	40	7	11	41	0	11
BOT.	0	4	0	0	38	0	0	30	0	0	17	0	0	7	0	0	0	0

Table 144 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	5	0	0	37	0	0	20	0	0	9	0	0	3	0	0	0	0
0.9a	-9	4	-44	20	35	7	35	20	12	41	8	11	44	3	10	44	10	10
0.8a	-16	3	-78	32	30	12	60	17	21	73	7	19	77	2	18	78	17	17
0.7a	-20	2	-102	40	22	16	78	12	28	95	5	25	101	2	23	103	22	22
0.6a	-23	1	-117	44	11	18	88	7	32	108	3	29	115	1	27	117	26	26
0.5a	-24	0	-122	45	0	18	92	0	34	112	0	30	120	0	28	122	27	27
0.4a	-23	1	-117	44	11	18	88	7	32	108	3	29	115	1	27	117	26	26
0.3a	-20	2	-102	40	22	16	78	12	28	95	5	25	101	2	23	103	22	22
0.2a	-16	3	-78	32	30	12	60	17	21	73	7	19	77	2	18	78	17	17
0.1a	-9	4	-44	20	35	7	35	20	12	41	8	11	44	3	10	44	10	10
BOT.	0	5	0	0	37	0	0	20	0	0	9	0	0	3	0	0	0	0

Table 145 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	5	0	0	33	0	0	34	0	0	24	0	0	12	0	0	0	0
0.9a	-9	4	-44	7	31	-5	19	32	8	26	23	12	31	12	13	32	0	13
0.8a	-16	3	-78	9	26	-11	30	27	13	45	19	22	53	10	24	56	0	24
0.7a	-20	2	-102	9	18	-16	37	16	17	57	14	29	68	7	32	72	0	33
0.6a	-23	1	-117	9	9	-20	40	10	19	63	8	33	77	4	37	81	0	38
0.5a	-24	0	-122	9	0	-21	41	0	20	65	0	35	80	0	39	84	0	39
0.4a	-23	1	-117	9	9	-20	40	10	19	63	8	33	77	4	37	81	0	38
0.3a	-20	2	-102	9	18	-16	37	19	17	57	14	29	68	7	32	72	0	33
0.2a	-16	3	-78	9	26	-11	30	27	13	45	19	22	53	10	24	56	0	24
0.1a	-9	4	-44	7	31	-5	19	32	8	26	23	12	31	12	13	32	0	13
BOT.	0	5	0	0	33	0	0	34	0	0	24	0	0	12	0	0	0	0

Table 146 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	8	0	0	37	0	0	20	0	0	8	0	0	3	0	0	0	0
0.9a	-8	7	-42	20	32	7	35	19	12	41	8	11	44	3	10	44	0	10
0.8a	-15	5	-74	33	30	13	61	16	21	73	7	19	77	2	18	78	0	17
0.7a	-19	4	-96	41	21	17	79	12	28	95	5	25	101	2	23	103	0	22
0.6a	-22	2	-110	45	11	19	89	6	32	108	3	29	116	1	27	117	0	26
0.5a	-23	0	-114	47	0	19	92	0	34	113	0	30	120	0	28	122	0	27
0.4a	-22	2	-110	45	11	19	89	6	32	108	3	29	116	1	27	117	0	26
0.3a	-19	4	-96	41	21	17	79	12	28	95	5	25	101	2	23	103	0	22
0.2a	-15	5	-74	33	30	13	61	16	21	73	7	19	77	2	18	78	0	17
0.1a	-8	7	-42	20	35	7	35	19	12	41	8	11	44	3	10	11	0	10
BOT.	0	8	0	0	37	0	0	20	0	0	8	0	0	3	0	0	0	0

Table 147 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	8	0	0	24	0	0	28	0	0	22	0	0	12	0	0	0	0
0.9a	-8	7	-42	3	22	-9	12	27	4	18	21	11	22	11	13	23	0	14
0.8a	-15	5	-74	2	18	-19	17	22	7	29	18	19	36	10	24	38	0	25
0.7a	-19	4	-96	0	12	-27	20	16	8	35	13	25	44	7	32	47	0	34
0.6a	-22	2	-110	-1	6	-32	20	8	8	38	7	28	48	4	37	52	0	39
0.5a	-23	0	-114	-1	0	-34	21	0	9	38	0	29	50	0	38	53	0	41
0.4a	-22	2	-110	-1	6	-32	20	8	8	38	7	28	48	4	37	52	0	39
0.3a	-19	4	-96	0	12	-27	20	16	8	35	13	25	44	7	32	47	0	34
0.2a	-15	5	-74	2	18	-19	17	22	7	29	18	19	36	10	24	38	0	25
0.1a	-8	7	-42	3	22	-9	12	27	4	18	21	11	22	11	13	23	0	14
BOT.	0	8	0	0	24	0	0	28	0	0	22	0	0	12	0	0	0	0

Table 148 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	15	0	0	36	0	0	19	0	0	8	0	0	3	0	0	0	0
0.9a	-7	14	-36	21	34	8	36	18	12	41	8	11	44	3	10	44	0	10
0.8a	-12	11	-62	35	29	15	62	16	21	73	6	19	77	2	17	78	0	17
0.7a	-16	8	-81	44	21	19	80	11	28	96	5	25	101	2	23	103	0	22
0.6a	-18	4	-92	49	11	21	91	6	32	109	3	29	116	1	26	117	0	26
0.5a	-19	0	-95	50	0	22	94	0	34	114	0	30	1211	0	27	122	0	27
0.4a	-18	4	-92	49	11	21	91	6	32	109	3	29	116	1	26	117	0	26
0.3a	-16	8	-81	44	21	19	80	11	28	96	5	25	101	2	23	103	0	22
0.2a	-12	11	-62	35	29	15	62	16	21	73	6	19	77	2	17	78	0	17
0.1a	-7	14	-36	21	34	8	36	18	12	41	8	11	44	3	10	44	0	10
BOT.	0	15	0	0	36	0	0	19	0	0	8	0	0	3	0	0	0	0

Table 149 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c 0.9c			0.2c 0.8c			0.3c 0.7c			0.4c 0.6c			0.5c		
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	15	0	0	7	0	0	13	0	0	12	0	0	7	0	0	0	0
0.9a	-7	14	-36	-1	6	-13	4	12	-1	7	11	6	9	6	9	10	0	10
0.8a	-12	11	-62	-5	4	-25	3	9	-3	9	9	9	13	5	16	14	0	18
0.7a	-16	8	-81	-8	2	-35	1	6	-6	8	6	11	13	4	20	14	0	23
0.6a	-18	4	-92	-10	1	-41	0	3	-8	7	3	12	12	2	23	14	0	26
0.5a	-19	0	-95	-10	0	-43	-1	0	-9	7	0	13	12	0	24	14	0	27
0.4a	-18	4	-92	-10	1	-41	0	3	-8	7	3	12	12	2	23	14	0	26
0.3a	-16	8	-81	-8	2	-35	1	6	-6	8	6	11	13	4	20	14	0	23
0.2a	-12	11	-62	-5	4	-25	3	9	-3	9	9	9	13	5	16	14	0	18
0.1a	-7	14	-36	-1	6	-13	4	12	-1	7	11	6	9	6	9	10	0	10
BOT.	0	15	0	0	7	0	0	13	0	0	12	0	0	7	0	0	0	0

Table 150 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	24	0	0	35	0	0	18	0	0	7	0	0	2	0	0	0	0
0.9a	-6	23	-28	23	34	9	36	17	12	42	7	10	44	2	10	44	0	9
0.8a	-9	19	-47	38	28	17	63	15	21	74	6	19	78	2	17	79	0	17
0.7a	-12	14	-60	48	21	22	82	11	28	97	4	25	102	1	23	103	0	22
0.6a	-14	7	-68	54	11	25	93	6	32	110	2	29	116	1	26	118	0	25
0.5a	-14	0	-70	55	0	26	97	0	33	115	0	30	121	0	27	123	0	27
0.4a	-14	7	-68	54	11	25	93	6	32	110	2	29	116	1	26	118	0	25
0.3a	-12	14	-60	48	21	22	82	11	28	97	4	25	102	1	23	103	0	22
0.2a	-9	19	-47	28	28	17	63	15	21	74	6	19	78	2	17	79	0	17
0.1a	-6	23	-28	23	34	9	36	17	12	42	7	10	44	2	10	44	0	9
BOT.	0	24	0	0	35	0	0	18	0	0	7	0	0	2	0	0	0	0

Table 151 Moment Coefficients along Short side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	24	0	0	13	0	0	7	0	0	4	0	0	2	0	0	0	0
0.9a	-6	23	-28	-4	13	-17	-3	8	-11	-2	4	-7	-1	2	-5	-1	0	-4
0.8a	-9	19	-47	-8	12	-32	-7	8	-22	-6	4	-14	-5	2	-10	-5	0	-9
0.7a	-12	14	-60	-11	9	-43	-10	6	-30	-10	4	-21	-9	2	-16	-9	0	-14
0.6a	-14	7	-68	-13	5	-49	-13	3	-35	-12	2	-26	-12	1	-20	-12	0	-18
0.5a	-14	0	-70	-14	0	-52	-13	0	-37	-13	0	-27	-13	0	-21	-13	0	-19
0.4a	-14	7	-68	-13	5	-49	-13	3	-35	-12	2	-26	-12	1	-20	-12	0	-18
0.3a	-12	14	-60	-11	9	-43	-10	6	-30	-10	4	-21	-9	2	-16	-9	0	-14
0.2a	-9	19	-47	-8	12	-32	-7	8	-22	-6	4	-14	-5	2	-10	-5	0	-9
0.1a	-6	23	-28	-4	13	-17	-3	8	-11	-2	4	-7	-1	2	-5	-1	0	-4
BOT.	0	24	0	0	13	0	0	7	0	0	4	0	0	2	0	0	0	0

Table 152 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for b/a = 3.0, c/a = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	4	0	0	38	0	0	29	0	0	16	0	0	7	0	0	0	0
0.9a	-9	3	-44	14	36	3	29	27	11	37	15	12	40	6	11	41	0	11
0.8a	-16	3	-78	22	31	4	49	23	20	64	13	21	71	5	20	73	0	19
0.7a	-20	2	-102	26	22	4	62	17	26	83	9	28	93	4	27	96	0	26
0.6a	-23	1	-117	28	12	3	70	9	30	94	5	32	106	2	31	109	0	30
0.5a	-24	0	-122	28	0	3	72	0	31	98	0	34	110	0	32	114	0	31
0.4a	-23	1	-117	28	12	3	70	9	30	94	5	32	106	2	31	106	0	30
0.3a	-20	2	-102	26	22	4	62	17	26	83	9	28	93	4	27	96	0	26
0.2a	-16	3	-78	22	31	4	49	23	20	64	13	21	71	5	20	73	0	19
0.1a	-9	3	-44	14	36	3	29	27	11	37	15	12	40	6	11	41	0	11
BOT.	0	4	0	0	38	0	0	29	0	0	16	0	0	7	0	0	0	0

Table 153 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	4	0	0	33	0	0	34	0	0	24	0	0	12	0	0	0	0
0.9a	-9	3	-44	7	31	-5	19	32	8	26	23	12	31	12	13	32	0	13
0.8a	-16	3	-78	9	26	-11	30	27	13	45	19	22	53	10	24	56	0	24
0.7a	-20	2	-102	9	18	-16	37	19	17	57	14	29	68	7	32	72	0	33
0.6a	-23	1	-117	9	9	-20	40	10	19	63	8	33	77	4	37	81	0	38
0.5a	-24	0	-122	9	0	-21	41	0	20	65	0	35	80	0	39	84	0	39
0.4a	-23	1	-117	9	9	-20	40	10	19	63	8	33	77	4	37	81	0	38
0.3a	-20	2	-102	9	18	-16	37	19	17	57	14	29	38	7	32	72	0	33
0.2a	-16	3	-78	9	26	-11	30	27	13	45	19	22	53	10	24	56	0	24
0.1a	-9	3	-44	7	31	-5	19	32	8	26	23	12	31	12	13	32	0	13
BOT.	0	4	0	0	33	0	0	34	0	0	24	0	0	12	0	0	0	0

Table 154 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	7	0	0	38	0	0	28	0	0	16	0	0	7	0	0	0	0
0.9a	-8	6	-42	15	36	3	29	27	11	37	15	12	40	6	11	42	0	11
0.8a	-15	5	-74	23	31	5	49	23	20	64	13	21	71	5	20	73	0	19
0.7a	-19	3	-96	27	22	5	63	17	26	83	9	28	93	4	26	96	0	26
0.6a	-22	2	-110	29	12	5	71	9	30	95	5	32	106	2	30	109	0	30
0.5a	-23	0	-114	30	0	5	73	0	32	98	0	34	110	0	32	114	0	31
0.4a	-22	2	-110	29	12	5	71	9	30	95	5	32	106	2	30	109	0	30
0.3a	-19	3	-96	27	22	5	63	17	26	83	9	28	93	4	26	96	0	26
0.2a	-15	5	-74	23	31	5	49	23	20	64	13	21	71	5	20	73	0	16
0.1a	-8	6	-42	12	36	3	29	27	11	37	15	12	40	6	11	42	0	11
BOT.	0	7	0	0	38	0	0	28	0	0	16	0	0	7	0	0	0	0

Table 155 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	7	0	0	24	0	0	28	0	0	22	0	0	12	0	0	0	0
0.9a	-8	6	-42	3	22	-9	12	27	4	18	21	11	22	11	13	23	0	14
0.8a	-15	2	-74	2	18	-19	17	22	7	29	18	19	36	10	24	38	0	25
0.7a	-19	3	-96	0	12	-27	20	16	8	35	13	25	44	7	32	47	0	34
0.6a	-22	2	-110	-1	6	-32	20	8	9	38	7	28	48	4	37	52	0	39
0.5a	-23	0	-114	-1	0	-34	21	0	9	38	0	29	50	0	38	53	0	41
0.4a	-22	2	-110	-1	6	-32	20	8	9	38	7	28	48	4	37	52	0	39
0.3a	-19	3	-96	0	12	-27	20	16	8	35	13	25	44	7	32	47	0	34
0.2a	-15	5	-74	2	18	-19	17	22	7	29	18	19	36	10	24	38	0	25
0.1a	-8	6	-42	3	22	-9	12	27	4	18	21	11	22	11	13	23	0	14
BOT.	0	7	0	0	24	0	0	28	0	0	22	0	0	12	0	0	0	0

Table 156 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b*/*a* = 3.0, *c*/*a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b 0.9b			0.2b 0.8b			0.3b 0.7b			0.4b 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	14	0	0	39	0	0	27	0	0	15	0	0	6	0	0	0	0
0.9a	-7	13	-36	16	37	5	30	26	11	37	14	12	41	6	11	42	0	11
0.8a	-12	11	-62	25	31	7	51	22	20	65	12	21	72	5	20	74	0	19
0.7a	-16	8	-81	31	22	9	65	16	27	85	9	28	94	4	26	97	0	25
0.6a	-18	4	-92	33	12	10	73	9	31	96	5	32	107	2	30	110	0	29
0.5a	-19	0	-95	34	0	10	76	0	32	100	0	34	111	0	31	115	0	30
0.4a	-18	4	-92	33	12	10	73	9	31	96	5	32	107	2	30	110	0	29
0.3a	-16	8	-81	31	22	9	65	16	27	85	9	28	94	4	26	97	0	25
0.2a	-12	11	-62	25	31	7	51	22	20	65	12	21	72	5	20	74	0	19
0.1a	-7	13	-36	16	37	5	30	26	11	37	14	12	41	6	11	42	0	11
BOT.	0	14	0	0	39	0	0	27	0	0	15	0	0	6	0	0	0	0

Table 157 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	14	0	0	7	0	0	13	0	0	12	0	0	7	0	0	0	0
0.9a	-7	13	-36	-1	6	-13	4	12	-1	7	11	6	9	6	9	10	0	10
0.8a	-12	11	-62	-5	4	-25	3	9	-3	9	9	9	13	5	16	14	0	18
0.7a	-16	8	-81	-8	2	-35	1	6	-6	8	6	11	13	4	20	15	0	23
0.6a	-18	4	-92	-9	1	-41	0	3	-8	7	3	12	12	2	23	14	0	26
0.5a	-19	0	-95	-10	0	-43	-1	0	-9	7	0	13	12	0	24	14	0	27
0.4a	-18	4	-92	-9	1	-41	0	3	-8	7	3	12	12	2	23	14	0	26
0.3a	-16	8	-81	-8	2	-35	1	6	-6	8	6	11	13	4	20	15	0	23
0.2a	-12	11	-62	-5	4	-25	3	9	-3	9	9	9	13	5	16	14	0	18
0.1a	-7	13	-36	-1	6	-16	4	12	-1	7	11	6	9	6	9	10	0	10
BOT.	0	14	0	0	7	0	0	13	0	0	12	0	0	7	0	0	0	0

Table 158 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	24	0	0	39	0	0	26	0	0	14	0	0	6	0	0	0	0
0.9a	-6	22	-28	18	37	7	31	25	12	38	13	12	41	5	11	42	0	11
0.8a	-9	19	-47	29	31	11	53	21	21	66	11	21	73	5	20	74	0	19
0.7a	-12	13	-60	35	22	14	68	15	28	86	8	28	95	3	26	97	0	25
0.6a	-14	7	-68	39	12	15	77	8	32	98	4	32	108	2	30	111	0	29
0.5a	-14	0	-70	40	0	16	80	0	33	102	0	33	113	0	31	116	0	30
0.4a	-14	7	-68	39	12	15	77	8	32	98	4	32	108	2	30	111	0	29
0.3a	-12	13	-60	35	22	14	68	15	28	86	8	28	95	3	26	97	0	25
0.2a	-9	19	-47	29	31	11	53	21	21	66	11	21	72	5	20	74	0	19
0.1a	-6	22	-28	18	37	7	31	25	12	38	13	12	41	5	11	42	0	11
BOT.	0	24	0	0	39	0	0	26	0	0	14	0	0	6	0	0	0	0

Table 159 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	24	0	0	13	0	0	7	0	0	4	0	0	2	0	0	0	0
0.9a	-6	22	-28	-4	13	-17	-3	8	-11	-2	4	-7	-1	2	-5	-1	0	-4
0.8a	-9	19	-47	-8	12	-32	-7	8	-21	-6	4	-14	-5	2	-10	-5	0	-9
0.7a	-12	13	-60	-11	9	-43	-10	6	-30	-10	4	-21	-9	2	-16	-9	0	-14
0.6a	-14	7	-68	-13	5	-49	-13	3	-35	-12	2	-23	-12	1	-20	-12	0	-18
0.5a	-14	0	-70	-14	0	-51	-13	0	-37	-13	0	-27	-13	0	-21	-13	0	-19
0.4a	-14	7	-68	-13	5	-49	-13	3	-35	-12	2	-26	-12	1	-20	-12	0	-18
0.3a	-12	13	-60	-11	9	-43	-10	6	-30	-10	4	-21	-9	2	-16	-9	0	-14
0.2a	-9	19	-47	-8	12	-32	-7	8	-21	-6	4	-14	-5	2	-10	-5	0	-9
0.1a	-6	22	-28	-4	13	-17	-3	8	-11	-2	4	-7	-1	2	-5	-1	0	-4
BOT.	0	24	0	0	13	0	0	7	0	0	4	0	0	2	0	0	0	0

Table 160 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	5	0	0	34	0	0	33	0	0	23	0	0	11	0	0	0	0
0.9a	-8	4	-41	8	32	-4	19	31	8	27	22	12	31	11	13	33	0	13
0.8a	-14	3	-72	10	27	-8	31	27	14	46	19	22	54	9	24	57	0	24
0.7a	-19	2	-94	11	19	-13	38	19	18	58	14	29	69	7	32	73	0	33
0.6a	-21	1	-107	11	10	-16	42	10	21	65	7	33	78	4	37	82	0	38
0.5a	-22	0	-112	11	0	-17	43	0	22	67	0	35	81	0	39	85	0	39
0.4a	-21	1	-107	11	10	-16	42	10	21	65	7	33	78	4	37	82	0	38
0.3a	-19	2	-94	11	19	-13	38	19	18	58	14	29	69	7	32	73	0	33
0.2a	14	3	-72	10	27	-8	31	27	14	43	19	22	54	9	24	57	0	24
0.1a	-8	4	-41	8	32	-4	19	31	8	27	22	12	31	11	13	33	0	13
BOT.	0	5	0	0	34	0	0	33	0	0	23	0	0	11	0	0	0	0

Table 161 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	5	0	0	25	0	0	28	0	0	22	0	0	12	0	0	0	0
0.9a	-8	4	-41	3	23	-9	12	27	4	18	21	11	22	11	13	23	0	14
0.8a	-14	3	-72	2	18	-18	18	22	7	29	18	19	36	10	24	38	0	25
0.7a	-19	2	-94	1	13	-26	20	16	9	35	13	25	44	7	32	47	0	34
0.6a	-21	1	-107	0	6	-31	21	8	9	38	7	28	49	4	37	52	0	39
0.5a	-22	0	-112	-1	0	-33	21	0	9	39	0	30	50	0	38	54	0	41
0.4a	-21	1	-107	0	6	-31	21	8	9	38	7	28	49	4	37	52	0	39
0.3a	-19	2	-94	1	13	-26	20	16	9	35	13	25	44	7	32	47	0	34
0.2a	-14	3	-72	2	18	-18	18	22	7	29	18	19	36	10	24	38	0	25
0.1a	-8	4	-41	3	23	-9	12	27	4	18	21	11	22	11	13	23	0	14
BOT.	0	5	0	0	25	0	0	28	0	0	22	0	0	12	0	0	0	0

Table 162 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	12	0	0	36	0	0	33	0	0	22	0	0	11	0	0	0	0
0.9a	-7	11	-35	9	34	-1	21	31	9	28	21	12	32	10	13	34	0	13
0.8a	-12	10	-61	13	28	-4	34	26	16	48	18	22	56	9	24	58	0	24
0.7a	-16	7	-79	15	20	-7	42	19	20	61	13	29	71	7	32	75	0	32
0.6a	-18	4	-89	16	10	-9	46	10	23	68	7	34	81	3	37	85	0	37
0.5a	-19	0	-93	16	0	-9	47	0	24	70	0	35	84	0	38	88	0	39
0.4a	-18	4	-89	16	10	-9	46	10	23	68	7	34	81	3	37	85	0	37
0.3a	-16	7	-79	15	20	-7	42	19	20	61	13	29	71	7	32	75	0	32
0.2a	-12	10	-61	13	28	-4	34	26	16	48	18	22	56	9	24	58	0	24
0.1a	-7	11	-35	9	34	-1	21	31	9	28	21	12	32	10	13	34	0	13
BOT.	0	12	0	0	36	0	0	33	0	0	22	0	0	11	0	0	0	0

Table 163 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	12	0	0	8	0	0	13	0	0	12	0	0	7	0	0	0	0
0.9a	-7	11	-35	-1	6	-12	4	12	-1	8	11	6	10	6	9	10	0	10
0.8a	-12	10	-61	-4	4	-24	3	9	-3	9	9	10	13	5	16	14	0	18
0.7a	-16	7	-79	-7	2	-34	2	6	-5	9	6	12	14	4	21	15	0	24
0.6a	-18	4	-89	-9	1	-40	0	3	-7	8	3	13	13	2	23	15	0	27
0.5a	-19	0	-93	-10	0	-41	0	0	-8	8	0	13	13	0	24	14	0	28
0.4a	-18	4	-89	-9	1	-40	0	3	-7	8	3	13	13	2	23	15	0	27
0.3a	-16	7	-79	-7	2	-34	2	6	-5	9	6	12	14	4	21	15	0	24
0.2a	-12	10	-61	-4	4	-24	3	9	-3	9	9	10	13	5	16	14	0	18
0.1a	-7	11	-35	-1	6	-12	4	12	-1	8	11	6	10	6	9	10	0	10
BOT.	0	12	0	0	8	0	0	13	0	0	12	0	0	7	0	0	0	0

Table 164 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	22	0	0	38	0	0	32	0	0	21	0	0	10	0	0	0	0
0.9a	-5	21	-27	11	36	2	22	31	10	29	20	12	33	10	13	34	0	13
0.8a	-9	18	-46	17	30	2	37	26	18	50	17	23	58	8	24	60	0	24
0.7a	-12	13	-59	20	21	1	46	19	23	64	13	30	74	6	32	77	0	32
0.6a	-13	7	-66	21	11	1	51	10	26	72	7	35	84	3	36	88	0	37
0.5a	-14	0	-68	22	0	0	53	0	28	74	0	36	87	0	38	91	0	38
0.4a	-13	7	-66	21	11	1	51	10	26	72	7	35	84	3	36	88	0	37
0.3a	-12	13	-59	20	21	1	46	19	23	64	13	30	74	6	32	77	0	32
0.2a	-9	18	-46	17	30	2	37	26	18	50	17	23	58	8	24	60	0	24
0.1a	-5	21	-27	11	36	2	22	31	10	29	20	12	33	10	13	34	0	13
BOT.	0	22	0	0	38	0	0	32	0	0	21	0	0	10	0	0	0	0

Table 165 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c 0.9c			0.2c 0.8c			0.3c 0.7c			0.4c 0.6c			0.5c		
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	22	0	0	12	0	0	7	0	0	4	0	0	2	0	0	0	0
0.9a	-5	21	-27	-4	12	-17	-2	7	-10	-1	4	-6	-1	2	-4	0	0	-4
0.8a	-9	18	-46	-8	12	-31	-7	7	-21	-5	4	-14	-5	2	-10	-4	0	-8
0.7a	-12	13	-59	-11	9	-41	-10	6	-29	-9	3	-20	-9	2	-15	-8	0	-13
0.6a	-13	7	-66	-13	5	-48	-12	3	-34	-12	2	-24	-11	1	-19	-11	0	-17
0.5a	-14	0	-68	-13	0	-50	-13	0	-36	-12	0	-26	-12	0	-20	-12	0	-18
0.4a	-13	7	-66	-13	5	-48	-12	3	-34	-12	2	-24	-11	1	-19	-11	0	-17
0.3a	-12	13	-59	-11	9	-41	-10	6	-29	-9	3	-20	-9	2	-15	-8	0	-13
0.2a	-9	18	-46	-8	12	-31	-7	7	-21	-5	4	-14	-5	2	-10	-4	0	-8
0.1a	-5	21	-27	-4	12	-17	-2	7	-10	-1	4	-6	-1	2	-4	0	0	-4
BOT.	0	22	0	0	12	0	0	7	0	0	4	0	0	2	0	0	0	0

Table 166 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	9	0	0	29	0	0	29	0	0	22	0	0	11	0	0	0	0
0.9a	-7	8	-33	5	27	-5	14	28	6	20	21	11	23	11	13	25	0	14
0.8a	-11	7	-57	6	22	-11	21	23	11	32	17	20	39	9	25	41	0	26
0.7a	-15	5	-74	6	15	-16	25	16	13	40	13	27	49	7	33	52	0	34
0.6a	-17	3	-83	6	8	-19	27	9	15	44	7	31	54	4	38	57	0	40
0.5a	-17	0	-87	6	0	-20	28	0	15	45	0	32	56	0	39	59	0	41
0.4a	-17	3	-83	6	8	-19	27	9	15	44	7	31	54	4	38	57	0	40
0.3a	-15	5	-74	6	15	-16	25	16	13	40	13	27	49	7	33	52	0	34
0.2a	-11	7	-57	6	22	-11	21	23	11	32	17	20	39	9	25	41	0	26
0.1a	-7	8	-33	2	27	-5	14	28	6	20	21	11	23	11	13	25	0	14
BOT.	0	9	0	0	29	0	0	29	0	0	22	0	0	11	0	0	0	0

Table 167 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	9	0	0	9	0	0	14	0	0	12	0	0	7	0	0	0	0
0.9a	-7	8	-33	-1	8	-11	5	13	0	8	11	6	10	7	9	11	0	10
0.8a	-11	7	-57	-3	5	-22	5	10	-1	11	9	11	14	5	17	16	0	19
0.7a	-15	5	-74	-6	3	-30	3	7	-3	10	6	13	15	4	22	17	0	24
0.6a	-17	3	-83	-7	1	-36	2	3	-5	10	3	14	15	2	25	17	0	28
0.5a	-17	0	-87	-8	0	-37	2	0	-5	9	0	15	15	0	26	16	0	29
0.4a	-17	3	-83	-7	1	-36	2	3	-5	10	3	14	15	2	25	17	0	28
0.3a	-15	5	-74	-6	3	-30	3	7	-3	10	6	13	15	4	22	17	0	24
0.2a	-11	7	-57	-3	5	-22	5	10	-1	11	9	11	14	5	17	16	0	19
0.1a	-7	8	-33	-1	8	-11	5	13	0	8	11	6	10	7	9	11	0	10
BOT.	0	9	0	0	9	0	0	14	0	0	12	0	0	7	0	0	0	0

Table 168 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	19	0	0	33	0	0	30	0	0	22	0	0	11	0	0	0	0
0.9a	-5	18	-25	7	31	-1	16	29	8	22	21	12	25	10	14	26	0	14
0.8a	-9	15	-43	10	25	-3	25	24	14	36	17	22	42	9	25	44	0	26
0.7a	-11	11	-54	11	15	-5	30	17	18	45	13	29	53	6	33	56	0	35
0.6a	-12	6	-60	12	9	-7	33	9	20	49	7	33	59	3	37	62	0	70
0.5a	-12	0	-62	12	0	-8	34	0	21	51	0	34	61	0	40	64	0	72
0.4a	-12	6	-60	12	9	-7	33	9	20	49	7	33	59	3	38	62	0	70
0.3a	-11	11	-54	11	18	-5	30	17	18	45	13	29	53	6	33	56	0	35
0.2a	-9	15	-43	10	25	-3	25	24	14	36	17	22	42	9	25	44	0	26
0.1a	-5	18	-25	7	31	-1	16	29	8	22	21	12	25	10	14	26	0	14
BOT.	0	19	0	0	33	0	0	30	0	0	22	0	0	11	0	0	0	0

Table 169 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	19	0	0	10	0	0	5	0	0	3	0	0	1	0	0	0	0
0.9a	-5	18	-25	-3	11	-15	-2	6	-9	-1	3	-5	0	1	-3	0	0	-2
0.8a	-9	15	-43	-7	10	-28	-6	6	-18	-4	3	-11	-4	2	-8	-3	0	-6
0.7a	-11	11	-54	-10	8	-37	-9	5	-25	-8	3	-17	-7	1	-12	-7	0	-10
0.6a	-12	6	-60	-11	4	-43	-11	3	-30	-10	2	-21	-10	1	-15	-9	0	-13
0.5a	-12	0	-62	-12	0	-45	-11	0	-31	-11	0	-22	-10	0	-16	-10	0	-14
0.4a	-12	6	-60	-11	4	-43	-11	3	-30	-10	2	-21	-10	1	-15	-9	0	-13
0.3a	-11	11	-54	-10	8	-37	-9	5	-25	-8	3	-17	-7	1	-12	-7	0	-10
0.2a	-9	15	-43	-7	10	-28	-6	6	-18	-4	3	-11	-4	2	-8	-3	0	-6
0.1a	-5	18	-25	-3	11	-15	-2	6	-9	-1	3	-5	0	1	-3	0	0	-2
BOT.	0	19	0	0	10	0	0	5	0	0	3	0	0	1	0	0	0	0

Table 170 Moment Coefficients along Long Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	12	0	0	21	0	0	20	0	0	15	0	0	8	0	0	0	0
0.9a	-4	11	-20	3	19	-3	8	18	5	12	14	10	14	7	12	15	0	13
0.8a	-7	9	-33	3	15	-6	12	15	9	18	11	17	22	6	21	23	0	23
0.7a	-8	7	-41	3	10	-9	13	10	10	21	8	22	25	4	28	27	0	30
0.6a	-9	4	-45	3	5	-11	13	5	11	22	4	25	27	2	32	29	0	34
0.5a	-9	0	-46	3	0	-11	13	0	12	22	0	26	27	0	33	29	0	36
0.4a	-9	4	-45	3	5	-11	13	5	11	22	4	25	27	2	32	29	0	34
0.3a	-8	7	-41	3	10	-9	13	10	10	21	8	22	25	4	28	27	0	30
0.2a	-7	9	-33	3	15	-6	12	15	9	18	11	17	22	6	21	23	0	23
0.1a	-4	11	-20	3	19	-3	8	19	5	12	14	10	14	7	12	15	0	13
BOT.	0	12	0	0	21	0	0	20	0	0	15	0	0	8	0	0	0	0

Table 171 Moment Coefficients along Short Side for Rectangular Tanks having Case 5 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	12	0	0	5	0	0	2	0	0	0	0	0	0	0	0	0	0
0.9a	-4	11	-20	-2	6	-11	-1	2	-5	1	1	-2	1	0	0	2	0	1
0.8a	-7	9	-33	-5	6	-20	-3	3	-11	-2	1	-5	-1	1	-2	-1	0	-1
0.7a	-8	7	-41	-7	4	-26	-5	3	-16	-4	2	-8	-3	1	-4	-3	0	-3
0.6a	-9	4	-45	-8	2	-30	-6	2	-18	-5	1	-10	-5	0	-6	-5	0	-4
0.5a	-9	0	-46	-8	0	-31	-7	0	-19	-6	0	-11	-5	0	-6	-5	0	-5
0.4a	-9	4	-45	-8	2	-30	-6	2	-18	-5	1	-10	-5	0	-6	-5	0	-4
0.3a	-8	7	-41	-7	4	-26	-5	3	-16	-4	2	-8	-3	1	-4	-3	0	-3
0.2a	-7	9	-33	-5	6	-20	-3	3	-11	-2	1	-5	-1	1	-2	-1	0	-1
0.1a	-4	11	-20	-2	6	-11	-1	2	-5	1	1	-2	1	0	0	2	0	1
BOT.	0	12	0	0	5	0	0	2	0	0	0	0	0	0	0	0	0	0

Table 172 Deflection Coefficients along Long Side, Mid-height (*y* = *a*/2) for Tanks having Case 6 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	x / c/a	End	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b	
4.0	**3.0**	0	40.50	99.80	151.50	185.10	196.60
4.0	**2.0**	0	50.60	113.90	167.20	201.40	213.10
4.0	**1.5**	0	54.60	119.60	173.50	207.90	219.60
4.0	**1.0**	0	56.30	121.80	176.00	210.50	222.20
4.0	**0.5**	0	51.50	115.10	168.50	202.70	214.30
3.0	**2.0**	0	20.80	49.20	74.40	91.10	96.90
3.0	**1.5**	0	24.40	54.60	80.60	97.70	103.60
3.0	**1.0**	0	26.40	57.60	84.20	101.40	107.40
3.0	**0.5**	0	24.40	54.60	80.60	97.70	103.60
2.0	**1.5**	0	6.10	14.70	22.60	27.90	29.80
2.0	**1.0**	0	8.10	17.90	26.50	32.20	34.20
2.0	**0.5**	0	8.10	17.80	26.40	32.10	34.10
1.5	**1.0**	0	3.00	6.80	10.20	12.50	13.30
1.5	**0.5**	0	3.50	7.60	11.20	13.60	14.50
1.0	**0.5**	0	0.90	2.00	3.00	3.60	3.80

Table 173 Deflection Coefficients along Short Side, Mid-height (*y* = *a*/2) for Tanks having Case 6 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	z / c/a	End	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c	
4.0	**3.0**	0	3.70	23.30	44.30	59.00	64.30
4.0	**2.0**	0	-9.10	-10.20	-8.10	-5.80	-4.80
4.0	**1.5**	0	-10.50	-16.00	-18.60	-19.60	-19.90
4.0	**1.0**	0	-8.40	-14.20	-18.00	-20.10	-20.80
4.0	**0.5**	0	-3.60	-6.40	-8.30	-9.50	-9.80
3.0	**2.0**	0	-2.80	0.20	4.70	8.30	9.60
3.0	**1.5**	0	-5.60	-7.70	-8.20	-8.00	-7.80
3.0	**1.0**	0	-5.30	-8.80	-11.00	-12.20	-12.60
3.0	**0.5**	0	-2.40	-4.30	-5.60	-6.40	-6.60
2.0	**1.5**	0	-0.90	0.30	2.00	3.40	3.90
2.0	**1.0**	0	-2.30	-3.60	-4.20	-4.50	-4.60
2.0	**0.5**	0	-1.30	-2.30	-3.00	-3.40	-3.50
1.5	**1.0**	0	-0.90	-1.10	-1.00	-0.09	-0.80
1.5	**0.5**	0	-0.80	-1.30	-1.70	-1.90	-2.00
1.0	**0.5**	0	-0.30	-0.50	-0.60	-0.70	-0.70

Table 174 Deflection Coefficients along Long Side, Mid-span (x = *b*/2) for Tanks having Case 6 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	c/a \ y	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	40.4	80.5	119.9	158.7	196.6	233.8	270.2	306.2	341.9	377.8
4.0	**2.0**	0	43.7	87.1	129.8	171.8	213.1	253.5	293.2	332.5	371.3	410.3
4.0	**1.5**	0	45.0	89.7	133.8	177.1	219.6	261.3	302.3	242.8	383.1	423.4
4.0	**1.0**	0	45.6	90.8	135.4	179.2	222.2	264.5	306.0	246.9	387.8	428.8
4.0	**0.5**	0	44.0	87.6	130.6	172.9	214.3	255.0	295.0	334.4	373.8	412.8
3.0	**2.0**	0	20.3	40.3	59.8	78.7	96.9	114.4	131.4	148.0	164.4	181.0
3.0	**1.5**	0	21.7	43.0	63.9	84.1	103.6	122.5	140.7	158.6	176.2	194.1
3.0	**1.0**	0	22.4	44.6	66.2	87.2	107.4	127.0	146.0	164.5	182.9	201.4
3.0	**0.5**	0	21.7	43.0	63.9	84.1	103.6	122.4	140.6	158.5	176.1	193.9
2.0	**1.5**	0	6.6	13.0	19.0	24.6	29.8	34.6	39.0	43.2	47.3	51.5
2.0	**1.0**	0	7.5	14.8	21.7	28.2	34.2	39.7	44.9	49.9	54.8	59.8
2.0	**0.5**	0	7.5	14.8	21.6	28.1	34.1	29.6	44.7	49.7	54.5	59.4
1.5	**1.0**	0	3.1	6.1	8.8	11.2	13.3	15.2	16.8	18.3	19.8	21.4
1.5	**0.5**	0	3.4	6.6	9.5	12.1	14.5	16.5	18.3	20.0	21.6	23.3
1.0	**0.5**	0	1.0	1.9	2.7	3.3	3.8	4.2	4.5	4.8	5.1	5.4

Table 175 Deflection Coefficients along Short Side, Mid-span (z = *c*/2) for Tanks having Case 6 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	c/a \ y	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	13.7	27.1	40.1	52.8	64.3	75.5	86.2	96.6	106.9	117.2
4.0	**2.0**	0	-0.5	-1.2	-2.1	-3.4	-4.8	-6.5	-8.4	-10.4	-12.3	-14.3
4.0	**1.5**	0	-3.8	-7.6	-11.6	-15.7	-19.9	-24.0	-28.1	-32.2	-36.2	-40.3
4.0	**1.0**	0	-4.1	-8.3	-12.5	-16.7	-20.8	-24.8	-28.5	-32.2	-35.8	-39.5
4.0	**0.5**	0	-2.0	-4.0	-6.0	-7.9	-9.8	-11.7	-13.4	-15.0	-16.6	-18.6
3.0	**2.0**	0	2.4	4.7	6.7	8.3	9.6	10.6	11.4	12.0	12.6	13.2
3.0	**1.5**	0	-1.3	-2.7	-4.2	-6.0	-7.8	-9.8	-11.8	-13.8	-15.8	-17.8
3.0	**1.0**	0	-2.4	-4.9	-7.5	-10.1	-12.6	-15.1	-17.4	-19.7	-21.9	-24.2
3.0	**0.5**	0	-1.3	-2.7	-4.1	-5.4	-6.6	-7.8	-9.0	-10.0	-11.0	-12.3
2.0	**1.5**	0	1.2	2.2	3.0	3.5	3.9	4.1	4.1	4.1	4.1	4.1
2.0	**1.0**	0	-0.8	-1.6	-2.5	-3.5	-4.6	-5.6	-6.5	-7.5	-8.4	-9.3
2.0	**0.5**	0	-0.7	-1.4	-2.2	-2.8	-3.5	-4.1	-4.6	-5.1	-5.6	-6.2
1.5	**1.0**	0	0.0	-0.1	-0.2	-0.5	-0.8	-1.2	-1.6	-1.9	-2.3	-2.6
1.5	**0.5**	0	-0.4	-0.8	-1.3	-1.7	-2.0	-2.3	-2.6	-2.9	-3.1	-3.4
1.0	**0.5**	0	-0.1	-0.3	-0.4	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2

Table 176 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-134	34	-668	0	214	-173	0	212	96	0	159	211	0	83	258	0	0	270
0.9a	-165	70	-827	-18	204	-163	15	208	90	30	157	198	37	82	241	39	0	252
0.8a	-142	70	-707	-27	203	-150	27	207	84	53	158	183	65	83	222	69	0	232
0.7a	-122	69	-609	-26	205	-135	37	210	78	70	159	167	86	83	201	90	0	210
0.6a	-105	68	-523	-19	210	-118	45	214	71	81	162	149	98	85	179	103	0	187
0.5a	-89	68	-443	-10	215	-66	50	220	63	86	166	129	103	86	154	108	0	161
0.4a	-73	68	-363	-2	220	-79	52	226	53	84	169	107	100	88	128	105	0	133
0.3a	-56	69	-282	5	225	-58	49	231	42	75	172	83	88	89	99	92	0	103
0.2a	-39	69	-195	9	230	-37	40	235	30	59	175	58	68	90	68	71	0	71
0.1a	-20	70	-102	8	233	-18	24	237	16	34	176	30	39	91	35	40	0	36
BOT.	0	71	0	0	234	0	0	238	0	0	177	0	0	91	0	0	0	0

Table 177 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-134	34	-668	0	72	-291	0	100	-15	0	85	125	0	48	191	0	0	210
0.9a	-165	70	-827	-34	61	-271	1	94	-14	18	81	117	26	46	179	29	0	197
0.8a	-142	70	-707	-49	61	-249	3	93	-12	31	81	109	46	46	166	51	0	183
0.7a	-122	69	-609	-49	63	-225	8	95	-9	42	83	101	61	47	152	67	0	167
0.6a	-105	68	-523	-41	66	-197	14	100	-6	51	87	91	71	49	136	77	0	149
0.5a	-89	68	-443	-30	68	-166	20	105	-3	55	91	80	75	52	119	82	0	130
0.4a	-73	68	-363	-19	72	-133	25	111	-1	56	96	68	74	54	99	80	0	108
0.3a	-56	69	-282	-9	76	-99	27	116	1	53	100	54	67	56	78	72	0	84
0.2a	-39	69	-195	-2	80	-65	25	120	3	43	103	38	53	58	54	56	0	58
0.1a	-20	70	-102	2	83	-32	16	123	2	26	105	20	26	59	28	33	0	30
BOT.	0	71	0	0	84	0	0	124	0	0	106	0	0	59	0	0	0	0

Table 178 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-105	101	-527	0	235	-113	0	222	123	0	164	223	0	85	263	0	0	274
0.9a	-135	124	-672	-11	227	-105	18	218	115	32	162	208	38	84	246	40	0	256
0.8a	-116	124	-578	-15	226	-96	33	218	107	56	162	193	67	84	226	70	0	235
0.7a	-100	124	-500	-12	228	-86	44	221	98	74	164	175	88	85	205	92	0	213
0.6a	-86	124	-432	-6	233	-75	53	225	89	86	167	156	101	86	182	105	0	189
0.5a	-74	125	-368	2	238	-62	58	230	78	90	170	135	106	88	157	110	0	163
0.4a	-61	126	-304	8	244	-49	59	235	66	88	173	112	102	89	130	106	0	135
0.3a	-48	127	-238	13	249	-35	54	240	52	79	176	87	90	90	101	94	0	104
0.2a	-33	128	-166	15	254	-22	44	244	37	61	178	60	69	91	69	72	0	72
0.1a	-17	129	-87	11	258	-10	26	247	19	35	180	31	39	92	36	41	0	37
BOT.	0	131	0	0	259	0	0	247	0	0	180	0	0	92	0	0	0	0

Table 179 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c 0.9c			0.2c 0.8c			0.3c 0.7c			0.4c 0.6c			0.5c		
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-105	101	-527	0	34	-349	0	3	-138	0	12	-14	0	9	52	0	0	73
0.9a	-135	124	-672	-47	42	-322	-16	5	-129	-1	8	-12	6	7	50	9	0	69
0.8a	-116	124	-578	-61	40	-296	-23	7	-117	-1	6	-10	12	6	48	16	0	66
0.7a	-100	124	-500	-59	40	-267	-23	5	-105	2	8	-6	17	7	46	22	0	63
0.6a	-86	124	-432	-50	41	-233	-18	2	-91	7	10	-3	22	9	44	28	0	59
0.5a	-74	125	-368	-40	41	-196	-1	1	-75	13	14	0	27	11	41	32	0	53
0.4a	-61	126	-304	-30	39	-158	-3	4	-59	18	17	3	31	13	36	35	0	46
0.3a	-48	127	-238	-19	37	-118	4	7	-42	21	20	4	31	14	30	35	0	38
0.2a	-33	128	-166	-10	33	-78	8	22	-27	20	16	5	28	16	22	30	0	27
0.1a	-17	129	-87	3	30	-38	7	24	-13	14	17	3	18	17	12	19	0	14
BOT.	0	131	0	0	29	0	0	25	0	0	17	0	0	17	0	0	0	0

Table 180 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b*/*a* = 4.0, *c*/*a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-96	126	-478	0	244	-88	0	226	134	0	165	228	0	85	266	0	0	276
0.9a	-123	144	-615	-8	236	-82	20	223	125	32	164	213	38	85	248	40	0	257
0.8a	-105	144	-527	-10	235	-75	35	222	116	58	164	197	68	85	228	71	0	237
0.7a	-91	144	-455	-7	238	-67	47	225	107	76	166	179	89	86	207	93	0	214
0.6a	-79	145	-393	0	242	-58	56	229	96	87	169	159	102	87	184	106	0	190
0.5a	-67	147	-335	7	248	-47	61	234	84	92	172	138	107	88	158	111	0	164
0.4a	-55	149	-277	13	254	-36	62	239	71	90	175	114	103	90	131	107	0	135
0.3a	-43	151	-216	17	259	-25	57	244	56	80	177	89	91	91	101	94	0	105
0.2a	-30	153	-151	17	264	-15	46	248	39	62	180	61	70	92	70	72	0	72
0.1a	-16	154	-80	12	267	-7	27	250	21	36	181	32	40	92	36	41	0	37
BOT.	0	156	0	0	269	0	0	251	0	0	182	0	0	93	0	0	0	0

Table 181 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-96	126	-478	0	77	-394	0	36	-230	0	17	-129	0	7	-73	0	0	-55
0.9a	-123	144	-615	-57	80	-362	-28	44	-214	-15	22	-120	-9	9	-67	-7	0	-50
0.8a	-105	144	-527	-70	77	-332	-42	45	-196	-24	24	-109	-15	10	-60	-12	0	-44
0.7a	-91	144	-455	-66	79	-297	-43	44	-176	-26	23	-96	-16	10	-51	12	0	-36
0.6a	-79	145	-393	-57	82	-25	-38	44	-153	-23	22	-82	-13	9	-42	-10	0	-29
0.5a	-67	147	-335	-47	84	-218	-30	44	-128	-16	21	-67	-7	8	-33	-4	0	-22
0.4a	-55	149	-277	-36	85	-175	-20	44	-102	-8	20	-52	0	7	-24	2	0	-15
0.3a	-43	151	-216	-26	84	-132	-11	42	-75	-1	19	-37	6	7	-16	8	0	-9
0.2a	-30	153	-151	-15	82	-88	-3	40	-49	5	17	-23	10	6	-9	11	0	-4
0.1a	-16	154	-80	-6	80	-43	1	38	-24	6	16	-11	8	5	-4	9	0	-1
BOT.	0	156	0	0	78	0	0	38	0	0	15	0	0	5	0	0	0	0

Table 182 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-92	135	-461	0	248	-78	0	228	138	0	166	230	0	86	267	0	0	276
0.9a	-120	149	-598	-7	240	-73	20	225	129	33	165	215	38	85	249	40	0	258
0.8a	-102	149	-509	-8	239	-66	36	224	120	58	165	198	68	86	229	71	0	237
0.7a	-87	150	-436	-4	242	-59	49	227	110	77	167	180	89	86	208	93	0	215
0.6a	-75	152	-373	3	247	-50	58	231	99	88	169	161	103	87	184	107	0	191
0.5a	-63	155	-315	10	252	-41	63	236	87	93	172	139	107	89	159	111	0	164
0.4a	-52	158	-260	16	257	-31	63	241	73	91	175	115	104	91	131	107	0	136
0.3a	-40	162	-202	20	263	-21	58	245	57	81	178	90	91	91	102	95	0	105
0.2a	-28	164	-141	19	268	-13	47	249	40	63	180	62	70	92	70	73	0	72
0.1a	-15	166	-75	13	271	-5	28	251	21	36	181	32	40	93	36	41	0	37
BOT.	0	168	0	0	272	0	0	252	0	0	182	0	0	93	0	0	0	0

Table 183 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-92	135	-461	0	106	-479	0	63	-368	0	37	-298	0	17	-259	0	0	-246
0.9a	-120	149	-598	-76	100	-437	-49	67	-341	-36	41	-278	-30	0	-242	-29	0	-230
0.8a	-102	149	-509	-83	95	-398	-67	65	-312	-55	41	-255	-48	20	-222	-46	0	-211
0.7a	-87	150	-436	-76	99	-352	-67	67	-280	-59	42	-229	-54	20	-199	-53	0	-189
0.6a	-75	152	-373	-66	105	-303	-60	70	-244	-55	43	-200	-51	21	-174	-50	0	-165
0.5a	-63	155	-315	-56	109	-255	-50	74	-205	-46	46	-168	-43	22	-146	-42	0	-139
0.4a	-52	158	-260	-45	113	-206	-39	77	-164	-34	47	-134	-32	23	-117	-3	0	-111
0.3a	-40	162	-202	-33	114	-156	-27	78	-123	-22	48	-100	-20	23	-86	-19	0	-82
0.2a	-28	164	-141	-21	114	-105	-15	77	-81	-11	48	-65	-9	23	-56	-8	0	-53
0.1a	-15	166	-75	-10	113	-52	-5	76	-40	-3	47	-32	-1	23	-27	-1	0	-26
BOT.	0	168	0	0	112	0	0	75	0	0	46	0	0	22	0	0	0	0

Table 184 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b 0.9b			0.2b 0.8b			0.3b 0.7b			0.4b 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-101	112	-504	0	237	-108	0	223	125	0	164	224	0	85	264	0	0	274
0.9a	-135	123	-675	-10	229	-101	19	219	117	32	163	209	38	84	246	40	0	256
0.8a	-114	122	-572	-14	228	-92	34	219	109	57	163	193	67	85	227	70	0	236
0.7a	-98	123	-488	-11	231	-82	45	222	100	75	165	176	88	85	206	92	0	213
0.6a	-83	125	-417	-3	235	-71	54	226	90	86	167	157	101	87	183	106	0	189
0.5a	-70	127	-351	5	241	-58	59	231	79	91	170	136	106	88	158	110	0	163
0.4a	-57	130	-287	11	246	-45	60	236	67	89	173	113	103	89	130	107	0	135
0.3a	-44	133	-222	16	251	-32	56	241	53	79	176	88	90	90	101	94	0	104
0.2a	-31	136	-154	17	256	-20	45	245	37	61	178	60	70	91	69	72	0	72
0.1a	-16	138	-81	12	259	-9	27	247	19	35	180	31	40	92	36	41	0	37
BOT.	0	140	0	0	260	0	0	248	0	0	180	0	0	92	0	0	0	0

Table 185 Moment Coefficients along Short side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-101	112	-504	0	126	-656	0	79	-605	0	48	-570	0	23	-550	0	0	-543
0.9a	-135	123	-675	-115	87	-600	-94	66	-553	-80	43	-525	-73	22	-509	-70	0	-504
0.8a	-114	122	-572	-109	84	-536	-105	59	-504	-101	38	-481	-98	19	-467	-97	0	-463
0.7a	-98	123	-488	-96	89	-467	-95	63	-447	-95	41	-431	-95	20	-421	-95	0	-418
0.6a	-83	125	-417	-82	94	-401	-82	68	-387	-83	45	-375	-83	22	-368	-83	0	-366
0.5a	-70	127	-351	-69	97	-337	-69	72	-325	-69	48	-316	-69	24	-310	-69	0	-308
0.4a	-57	130	-287	-56	100	-273	-55	75	-262	-55	50	-254	-54	25	-249	-54	0	-248
0.3a	-44	133	-222	-43	102	-209	-42	76	-198	-41	51	-191	-40	26	-187	-40	0	-185
0.2a	-31	136	-154	-29	104	-141	-27	77	-133	-26	51	-127	-25	26	-124	-25	0	-122
0.1a	-16	138	-81	-14	104	-72	-13	76	-66	-11	50	-63	-11	25	-61	-10	0	-60
BOT.	0	140	0	0	103	0	0	75	0	0	50	0	0	25	0	0	0	0

Table 186 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-74	38	-369	0	130	-130	0	130	69	0	99	172	0	52	220	0	0	235
0.9a	-100	60	-502	-14	122	-121	11	125	65	24	97	161	31	51	206	33	0	220
0.8a	-88	60	-438	-19	121	-111	20	124	61	43	97	150	54	51	191	58	0	203
0.7a	-77	60	-386	-17	124	-100	28	127	57	56	98	137	71	52	174	76	0	185
0.6a	-68	61	-339	-11	127	-88	35	131	52	66	102	123	82	54	156	87	0	165
0.5a	-59	62	-294	-4	132	-73	41	137	47	70	105	107	87	56	135	92	0	143
0.4a	-49	62	-246	2	137	-58	43	143	41	70	109	90	85	58	112	89	0	119
0.3a	-39	63	-195	7	143	-42	41	148	33	63	113	70	76	59	87	80	0	92
0.2a	-28	64	-138	9	148	-27	35	152	24	50	116	49	59	61	60	62	0	64
0.1a	-15	65	-73	8	152	-13	21	155	13	30	118	26	34	62	31	36	0	33
BOT.	0	66	0	0	154	0	0	156	0	0	118	0	0	62	0	0	0	0

Table 187 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-74	38	-369	0	1	-241	0	24	-68	0	25	36	0	15	92	0	0	109
0.9a	-100	60	-502	-32	6	-223	-7	17	-63	5	20	34	12	13	87	14	0	103
0.8a	-88	60	-438	-42	5	-206	-10	16	-57	10	20	34	21	13	82	24	0	97
0.7a	-77	60	-386	-40	4	-186	-8	17	-50	15	21	33	28	13	77	33	0	91
0.6a	-68	61	-339	-33	4	-163	-3	20	-42	20	24	32	34	15	71	39	0	83
0.5a	-59	62	-294	-26	2	-138	3	24	-34	25	27	30	39	17	64	43	0	74
0.4a	-49	62	-246	-18	1	-112	9	28	-25	29	31	27	41	19	55	45	0	63
0.3a	-39	63	-195	-11	4	-84	13	33	-17	30	34	23	40	21	44	43	0	51
0.2a	-28	64	-138	-4	8	-55	14	36	-10	26	37	17	33	22	31	36	0	36
0.1a	-15	65	-73	0	12	-27	10	39	-4	17	39	10	21	23	17	22	0	19
BOT.	0	66	0	0	14	0	0	40	0	0	40	0	0	24	0	0	0	0

Table 188 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b 0.9b			0.2b 0.8b			0.3b 0.7b			0.4b 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-64	65	-319	0	141	-97	0	136	87	0	102	182	0	54	227	0	0	240
0.9a	-88	82	-440	-10	133	-90	13	132	81	25	100	170	31	53	212	33	0	224
0.8a	-77	82	-384	-13	133	-83	24	131	76	45	100	158	56	53	196	59	0	207
0.7a	-68	82	-338	10	135	-75	33	134	71	60	102	144	73	54	179	78	0	189
0.6a	-60	84	-298	-4	139	-65	40	138	64	69	105	130	85	55	160	89	0	168
0.5a	-52	85	-259	2	144	-54	45	143	57	74	109	113	89	57	138	94	0	146
0.4a	-44	87	-218	7	150	-42	47	149	49	73	112	94	87	59	115	91	0	121
0.3a	-35	89	-173	11	156	-30	45	154	39	66	116	74	78	61	90	81	0	94
0.2a	-25	90	-123	12	162	-19	37	158	28	52	119	51	60	62	62	63	0	65
0.1a	-13	92	-66	9	166	-8	23	161	15	31	121	27	35	63	32	36	0	33
BOT.	0	92	0	0	167	0	0	162	0	0	121	0	0	63	0	0	0	0

Table 189 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-64	65	-319	0	39	-266	0	13	-136	0	3	-54	0	0	-8	0	0	7
0.9a	-88	82	-440	-39	43	-245	-17	20	-127	-6	8	-50	-1	2	-7	0	0	7
0.8a	-77	82	-384	-48	41	-226	-24	21	-116	-10	9	-44	-2	3	-4	1	0	9
0.7a	-68	82	-338	-44	41	-204	-24	20	-104	-9	8	-38	0	3	0	3	0	12
0.6a	-60	84	-298	-39	43	-179	-20	19	-90	-6	7	-31	4	2	3	7	0	14
0.5a	-52	85	-259	-32	43	-152	-14	18	-75	0	5	-23	8	1	6	11	0	15
0.4a	-44	87	-218	-24	42	-124	-8	16	-59	5	3	-16	13	1	7	16	0	15
0.3a	-35	89	-173	-17	40	-94	-2	13	-43	10	1	-10	17	2	8	19	0	14
0.2a	-25	90	-123	-9	38	-62	3	10	-27	12	2	-5	17	3	7	19	0	11
0.1a	-13	92	-66	-3	35	-31	5	7	-13	9	3	-2	12	4	5	13	0	7
BOT.	0	92	0	0	33	0	0	6	0	0	4	0	0	4	0	0	0	0

Table 190 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-59	78	-294	0	147	-79	0	139	97	0	104	187	0	54	230	0	0	243
0.9a	-82	91	-410	-8	140	-74	14	135	91	26	102	175	32	54	215	34	0	227
0.8a	-71	91	-355	-10	140	-67	26	135	85	46	102	163	57	54	199	60	0	210
0.7a	-62	92	-310	-5	142	-60	36	138	78	61	104	149	75	55	181	79	0	191
0.6a	-54	95	-271	1	146	-51	44	142	71	71	107	133	86	56	162	91	0	170
0.5a	-47	98	-234	7	152	-42	49	147	63	76	111	116	91	58	140	95	0	147
0.4a	-39	101	-196	12	157	-32	50	153	54	75	114	97	88	60	117	93	0	122
0.3a	-31	104	-156	14	163	-22	47	158	43	68	118	76	79	61	91	82	0	95
0.2a	-22	106	-111	15	169	-13	39	162	31	53	120	53	61	62	63	64	0	65
0.1a	-12	108	-60	11	173	-6	23	162	16	31	122	27	35	63	32	37	0	34
BOT.	0	109	0	0	175	0	0	166	0	0	123	0	0	64	0	0	0	0

Table 191 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-59	78	-294	0	66	-319	0	38	-236	0	22	-182	0	10	-152	0	0	-142
0.9a	-82	91	-410	-51	62	-292	-31	42	-219	-22	25	-170	-18	12	-142	-17	0	-133
0.8a	-71	91	-355	-56	59	-268	-43	41	-201	-34	25	-155	-29	12	-129	-27	0	-121
0.7a	-61	92	-310	-52	62	-239	-43	42	-181	-37	26	-139	-32	12	-115	-31	0	-107
0.6a	-54	95	-271	-46	66	-209	-39	44	-158	-34	27	-121	-30	13	-99	-29	0	-92
0.5a	-47	98	-234	-39	69	-177	-32	46	-133	-27	28	-101	-24	13	-82	-23	0	-76
0.4a	-39	101	-196	-31	71	-145	-25	47	-107	-20	28	-80	-16	13	-64	-15	0	-59
0.3a	-31	104	-156	-23	71	-111	-16	47	-79	-11	28	-59	-8	13	-47	-7	0	-43
0.2a	-22	106	-111	-15	71	-75	-8	45	-52	-4	27	-38	-1	12	-30	0	0	-27
0.1a	-12	108	-60	-6	69	-37	-2	44	-25	1	25	-18	3	12	-14	3	0	-13
BOT.	0	109	0	0	68	0	0	43	0	0	25	0	0	12	0	0	0	0

Table 192 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-63	66	-314	0	141	-99	0	136	87	0	102	182	0	54	227	0	0	240
0.9a	-91	77	-453	-11	133	-91	13	132	81	25	100	170	32	53	212	33	0	224
0.8a	-78	76	-388	-13	133	-83	24	131	76	45	100	158	56	53	196	59	0	207
0.7a	-67	77	-336	-9	136	-74	34	134	71	60	102	144	74	54	179	78	0	189
0.6a	-58	80	-291	-2	140	-64	41	138	64	70	105	129	85	55	160	90	0	168
0.5a	-50	86	-249	4	145	-53	46	144	57	74	109	113	89	57	138	94	0	146
0.4a	-41	86	-207	10	150	-40	48	149	49	73	112	94	87	59	115	92	0	121
0.3a	-33	90	-163	13	156	-29	46	154	39	66	116	74	78	60	89	81	0	94
0.2a	-23	93	-115	14	161	-17	38	158	28	53	118	51	61	62	62	63	0	65
0.1a	-12	95	-61	10	165	-8	23	161	15	31	120	27	35	63	32	36	0	33
BOT.	0	96	0	0	167	0	0	162	0	0	121	0	0	63	0	0	0	0

Table 193 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-63	66	-314	0	82	-435	0	51	-401	0	31	-377	0	15	-363	0	0	-358
0.9a	-91	77	-453	-76	56	-401	-62	42	-368	-53	28	-348	-47	14	-337	-46	0	-333
0.8a	-78	76	-388	-74	53	-361	-70	38	-337	-67	24	-320	-65	12	-310	-64	0	-306
0.7a	-67	77	-336	-66	57	-318	-65	41	-301	-64	26	-288	-64	13	-280	-64	0	-277
0.6a	-58	80	-291	-57	61	-276	-57	45	-262	-57	29	-252	-57	15	-246	-57	0	-244
0.5a	-50	83	-249	-49	64	-234	-48	48	-222	-48	32	-213	-48	16	-208	-48	0	-206
0.4a	-41	86	-207	-40	67	-192	-39	50	-181	-39	33	-172	-38	17	-168	-38	0	-166
0.3a	-33	90	-163	-31	69	-148	-30	52	-137	-29	34	-130	-28	17	-125	-28	0	-124
0.2a	-23	93	-115	-21	71	-101	-20	52	-92	-18	34	-86	-17	17	-83	-17	0	-82
0.1a	-12	95	-61	-10	71	-52	-9	51	-46	-8	34	-43	-7	17	-41	-7	0	-40
BOT.	0	96	0	0	70	0	0	51	0	0	33	0	0	17	0	0	0	0

Table 194 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-35	11	-177	0	49	-92	0	52	30	0	41	106	0	22	147	0	0	160
0.9a	-54	24	-272	-12	43	-86	5	47	29	14	38	100	19	21	139	20	0	151
0.8a	-49	24	-245	-15	44	-80	10	46	28	25	37	94	33	20	130	36	0	141
0.7a	-45	25	-224	-12	45	-73	15	48	27	33	39	87	44	21	120	48	0	130
0.6a	-41	25	-204	-8	48	-65	19	52	25	40	42	80	52	23	109	56	0	118
0.5a	-36	26	-182	-4	52	-56	23	57	24	44	46	71	56	25	96	60	0	103
0.4a	-32	27	-158	-1	57	-45	26	62	22	45	49	61	56	27	81	60	0	87
0.3a	-26	28	-129	3	62	-34	26	67	19	43	53	49	52	29	64	55	0	69
0.2a	-19	29	-94	5	68	-22	23	72	14	35	56	34	42	30	45	44	0	48
0.1a	-10	30	-51	5	72	-10	15	75	8	22	58	18	25	31	23	26	0	25
BOT.	0	30	0	0	74	0	0	76	0	0	59	0	0	32	0	0	0	0

Table 195 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-35	11	-177	0	3	-143	0	9	-45	0	10	18	0	6	55	0	0	66
0.9a	-54	24	-272	-21	7	-132	-5	4	-42	2	7	18	6	5	52	7	0	63
0.8a	-49	24	-245	-25	6	-124	-7	3	-38	5	6	19	11	4	51	13	0	61
0.7a	-45	25	-224	-24	5	-114	-6	4	-33	8	6	19	16	5	49	18	0	58
0.6a	-41	25	-204	-20	5	-102	-2	6	-28	11	8	20	20	6	46	23	0	55
0.5a	-36	26	-182	-16	3	-88	1	8	-22	15	11	20	24	7	43	27	0	50
0.4a	-32	27	-158	-12	1	-72	5	12	-16	19	14	19	27	9	38	29	0	44
0.3a	-26	28	-129	-8	2	-55	8	16	-11	20	17	17	27	10	31	30	0	36
0.2a	-19	29	-94	-3	6	-37	10	20	-5	19	20	13	24	12	23	26	0	26
0.1a	-10	30	-51	0	9	-18	8	23	-2	13	22	8	16	13	13	17	0	14
BOT.	0	30	0	0	11	0	0	24	0	0	23	0	0	13	0	0	0	0

Table 196 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-29	28	-147	0	59	-62	0	58	51	0	45	121	0	24	159	0	0	171
0.9a	-46	38	-229	-8	54	-58	7	54	48	16	42	114	21	22	150	22	0	161
0.8a	-41	38	-206	-9	54	-53	14	53	46	28	42	107	36	22	140	39	0	150
0.7a	-37	39	-187	-6	56	-49	20	55	43	38	43	99	48	23	129	51	0	138
0.6a	-34	41	-170	-2	59	-43	25	59	40	45	46	90	56	25	117	60	0	125
0.5a	-30	43	-152	2	63	-36	29	64	37	49	50	80	60	27	103	64	0	110
0.4a	-27	45	-133	5	68	-29	31	69	32	49	54	68	60	29	86	64	0	92
0.3a	-22	48	-109	7	74	-21	30	74	27	46	57	54	55	30	68	58	0	73
0.2a	-16	50	-80	8	80	-13	26	79	20	38	60	38	44	32	48	47	0	51
0.1a	-9	51	-44	6	85	-6	17	83	11	23	63	20	26	33	25	28	0	26
BOT.	0	52	0	0	86	0	0	84	0	0	63	0	0	33	0	0	0	0

Table 197 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-29	28	-147	0	27	-164	0	14	-108	0	7	-70	0	3	-48	0	0	-40
0.9a	-46	38	-229	-26	26	-151	-14	17	-100	-9	10	-65	-6	4	-44	-5	0	-37
0.8a	-41	38	-206	-30	25	-141	-20	17	-92	-13	10	-59	-10	5	-39	-8	0	-32
0.7a	-37	39	-187	-28	26	-129	-20	17	-83	-14	10	-52	-10	5	-33	-9	0	-27
0.6a	-34	41	-170	-25	28	-115	-18	18	-73	-12	10	-44	-9	5	-27	-7	0	-21
0.5a	-30	43	-152	-22	29	-101	-15	18	-62	-9	10	-35	-5	5	-20	-4	0	-15
0.4a	-27	45	-133	-18	29	-84	-10	18	-50	-4	9	-27	-1	4	-13	1	0	-9
0.3a	-22	48	-109	-13	29	-66	-6	16	-37	0	8	-18	4	3	-8	5	0	-4
0.2a	-16	50	-80	-8	28	-45	-1	14	-24	4	6	-11	7	2	-3	8	0	-1
0.1a	-9	51	-44	-3	26	-23	2	12	-11	5	5	-4	7	1	-1	7	0	0
BOT.	0	52	0	0	24	0	0	11	0	0	4	0	0	1	0	0	0	0

Table 198 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-29	27	-147	0	58	-65	0	58	50	0	45	121	0	24	159	0	0	171
0.9a	-48	35	-238	-9	53	-60	7	54	48	16	42	114	21	23	150	22	0	161
0.8a	-42	34	-210	-9	53	-55	14	53	45	28	42	107	36	22	140	39	0	150
0.7a	-38	35	-188	-6	55	-49	20	55	43	38	43	99	48	23	129	52	0	138
0.6a	-33	38	-167	-1	58	-43	26	59	40	45	46	90	56	25	116	60	0	125
0.5a	-30	41	-148	3	63	-35	30	64	37	49	50	80	61	27	102	64	0	109
0.4a	-25	44	-126	6	68	-28	32	69	33	50	53	68	61	28	86	64	0	92
0.3a	-20	48	-102	8	74	-20	31	74	29	47	57	54	56	30	68	59	0	72
0.2a	-15	51	-74	9	80	-12	27	79	20	38	60	38	45	32	47	47	0	50
0.1a	-8	53	-41	7	84	-5	17	82	11	23	62	20	27	33	25	28	0	26
BOT.	0	54	0	0	86	0	0	83	0	0	63	0	0	33	0	0	0	0

Table 199 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-29	27	-147	0	40	-223	0	25	-204	0	15	-190	0	7	-181	0	0	-179
0.9a	-48	35	-238	-39	26	-208	-31	20	-188	-26	14	-176	-23	7	-169	-22	0	-167
0.8a	-42	34	-210	-39	25	-191	-36	18	-175	-34	12	-163	-33	6	-156	-32	0	-154
0.7a	-38	35	-188	-36	27	-172	-35	19	-158	-34	13	-149	-33	6	-142	-33	0	-140
0.6a	-33	39	-167	-32	29	-153	-31	22	-140	-31	14	-131	-30	7	-126	-30	0	-124
0.5a	-30	41	-148	-28	32	-133	-27	24	-121	-27	16	-112	-26	8	-107	-26	0	-106
0.4a	-25	44	-126	-24	35	-111	-23	26	-100	-22	17	-92	-22	9	-87	-21	0	-85
0.3a	-20	48	-102	-19	37	-88	-18	27	-77	-17	18	-69	-16	9	-65	-16	0	-63
0.2a	-15	51	-74	-13	38	-61	-11	28	-52	-10	18	-46	-9	9	-42	-9	0	-41
0.1a	-8	53	-41	-6	38	-32	-5	27	-26	-4	17	-22	-3	9	-20	-3	0	-20
BOT.	0	54	0	0	38	0	0	26	0	0	17	0	0	8	0	0	0	0

Table 200 Moment Coefficients along Long Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-18	9	-89	0	25	-50	0	26	26	0	21	76	0	11	105	0	0	114
0.9a	-30	16	-149	-8	21	-46	3	22	25	9	18	72	12	10	99	13	0	108
0.8a	-28	16	-138	-8	21	-44	7	22	24	16	17	69	22	9	94	24	0	102
0.7a	-26	16	-130	-6	23	-41	10	23	23	22	18	65	29	10	88	21	0	96
0.6a	-24	17	-122	-4	25	-37	13	25	22	26	20	60	34	11	81	37	0	88
0.5a	-22	19	-112	-2	28	-33	16	29	20	30	23	54	38	13	73	41	0	79
0.4a	-20	20	-101	0	32	-28	18	33	19	31	27	47	39	14	62	42	0	67
0.3a	-17	22	-85	2	37	-21	18	38	16	30	30	38	37	16	50	40	0	54
0.2a	-13	23	-64	3	41	-14	17	43	13	26	33	28	31	18	36	33	0	38
0.1a	-7	24	-36	4	46	-6	12	46	7	17	36	15	20	19	19	21	0	20
BOT.	0	25	0	0	47	0	0	47	0	0	36	0	0	19	0	0	0	0

Table 201 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-18	9	-89	0	10	-95	0	3	-50	0	0	-18	0	0	0	0	0	6
0.9a	-30	16	-149	-16	10	-88	-7	6	-46	-3	3	-17	0	1	1	0	0	7
0.8a	-28	16	-138	-18	10	-84	-9	6	-43	-4	4	-14	-1	2	3	0	0	8
0.7a	-26	16	-130	-17	10	-78	-9	6	-39	-4	3	-11	0	2	5	1	0	10
0.6a	-24	17	-122	-15	11	-72	-8	6	-34	-2	3	-8	2	1	7	3	0	12
0.5a	-22	19	-112	-14	11	-64	-6	6	-29	0	2	-5	4	1	9	6	0	13
0.4a	-20	20	-101	-11	11	-55	-3	4	-23	3	1	-2	7	0	10	9	0	14
0.3a	-17	22	-85	-8	9	-44	0	2	-16	6	1	1	10	1	10	11	0	13
0.2a	-13	23	-64	-5	7	-30	3	1	-10	8	3	2	11	2	9	12	0	11
0.1a	-7	24	-36	-1	5	-15	4	3	-4	7	5	2	9	3	5	9	0	7
BOT.	0	25	0	0	4	0	0	4	0	0	6	0	0	4	0	0	0	0

Table 202 Moment Coefficients along Long Side for Rectangular Tanks Having Case 6 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-16	13	-82	0	28	-41	0	28	33	0	22	83	0	12	111	0	0	120
0.9a	-28	17	-142	-7	24	-38	4	24	32	10	19	79	13	10	105	14	0	114
0.8a	-26	17	-129	-6	24	-35	8	24	31	18	19	74	23	10	99	25	0	107
0.7a	-24	18	-118	-4	25	-32	12	25	30	24	20	70	31	11	93	33	0	100
0.6a	-22	20	-109	-1	27	-29	16	28	28	29	22	65	37	12	85	40	0	92
0.5a	-20	22	-98	2	31	-24	19	32	26	32	25	58	41	13	76	43	0	82
0.4a	-17	25	-87	4	36	-20	21	36	24	34	28	51	42	15	65	44	0	70
0.3a	-14	28	-72	5	41	-14	21	41	20	33	32	41	40	17	52	42	0	56
0.2a	-11	31	-54	6	46	-9	19	45	15	28	35	30	33	18	37	35	0	39
0.1a	-6	33	-31	5	50	-4	13	49	9	18	37	20	20	19	20	21	0	21
BOT.	0	34	0	0	52	0	0	50	0	0	38	0	0	20	0	0	0	0

Table 203 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b*/*a* = 1.5, *c*/*a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-16	13	-82	0	21	129	0	13	-115	0	8	-105	0	4	-99	0	0	-97
0.9a	-28	17	-142	-23	13	121	-18	11	-107	-14	7	-98	-12	4	-92	-12	0	-91
0.8a	-26	17	-129	-23	12	113	-21	9	-100	-19	6	-91	-18	3	-86	-18	0	-84
0.7a	-24	18	-118	-22	14	104	-20	10	-92	-19	7	-84	-19	4	-79	-19	0	-77
0.6a	-22	20	-109	-20	15	94	-19	12	-83	-18	8	-75	-18	4	-70	-18	0	-68
0.5a	-20	22	-98	-18	18	84	-17	13	-73	-16	9	-65	-16	5	-60	-16	0	-58
0.4a	-17	25	-87	-16	20	72	-15	15	-61	-14	10	-53	-13	5	-48	-13	0	-47
0.3a	-14	28	-72	-13	22	58	-11	16	-47	-10	10	-40	-9	5	-36	-9	0	-35
0.2a	-11	31	-54	-9	23	41	-7	16	-32	-6	10	-26	-5	5	-23	-5	0	-22
0.1a	-6	33	-31	-4	23	22	-3	15	-16	-1	9	-13	-1	5	-11	0	0	-10
BOT.	0	34	0	0	22	0	0	15	0	0	9	0	0	4	0	0	0	0

Table 204 Moment Coefficients along Long Sde for Rectangular Tanks having Case 6 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-7	4	-36	0	9	-19	0	9	17	0	7	42	0	4	57	0	0	62
0.9a	-13	5	-64	-4	6	-18	1	6	17	4	5	41	6	3	55	7	0	60
0.8a	-12	5	-61	-4	6	-17	3	6	16	8	4	39	10	2	53	11	0	57
0.7a	-12	5	-58	-2	6	-16	5	6	16	10	5	38	14	3	51	15	0	55
0.6a	-11	6	-56	-1	7	-15	7	7	15	13	6	36	16	3	48	18	0	52
0.5a	-11	7	-54	0	9	-14	8	9	14	15	7	33	19	4	44	20	0	48
0.4a	-10	9	-50	0	12	-13	9	12	13	16	9	30	20	5	40	22	0	43
0.3a	-9	11	-44	1	15	-10	10	15	12	17	12	25	20	6	33	22	0	35
0.2a	-7	13	-35	2	19	7	10	19	9	15	15	19	19	8	24	20	0	26
0.1a	-4	14	-21	2	22	-3	7	22	6	11	17	11	13	9	13	13	0	14
BOT.	0	15	0	0	24	0	0	23	0	0	17	0	0	9	0	0	0	0

Table 205 Moment Coefficients along Short Side for Rectangular Tanks having Case 6 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-7	4	-36	0	7	-53	0	4	-43	0	2	-35	0	1	-31	0	0	-29
0.9a	-13	5	-64	-9	4	-50	-6	3	-40	-5	2	-33	-4	1	-29	-3	0	-28
0.8a	-12	5	-61	-10	4	-48	-8	3	-38	-6	2	-31	-6	1	-27	-5	0	-26
0.7a	-12	5	-58	-10	4	-46	-8	3	-36	-7	2	-29	-6	1	-25	-6	0	-23
0.6a	-11	6	-56	-9	5	-44	-8	4	-34	-7	3	-26	-6	1	-22	-6	0	-21
0.5a	-11	7	-54	-9	6	-40	-7	5	-30	-6	3	-23	-6	2	-19	-6	0	-17
0.4a	-10	9	-50	-8	7	-36	-7	5	-26	-5	3	-19	-5	2	-15	-4	0	-13
0.3a	-9	11	-44	-7	8	-30	-5	6	-21	4	4	-14	-3	2	-10	-3	0	-9
0.2a	-7	13	-35	-5	9	-23	-3	6	-14	-2	3	-9	1	2	-5	0	0	-4
0.1a	-4	14	-21	-2	8	-12	-1	5	-7	1	2	-4	2	1	-2	2	0	-1
BOT.	0	15	0	0	8	0	0	4	0	0	2	0	0	1	0	0	0	0

Table 206 Deflection Coefficients along Long Side, Mid-height ($y = a/2$) for Tanks having Case 7 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	*c/a* \ *x*	End	0.1b / 0.9b	0.2b / 0.8b	0.3b / 0.7b	0.4b / 0.6b	0.5b
4.0	**3.0**	0	8.20	20.50	29.50	34.40	35.90
4.0	**2.0**	0	9.20	21.40	30.10	34.80	36.30
4.0	**1.5**	0	10.20	22.30	30.80	35.30	36.70
4.0	**1.0**	0	11.30	23.40	30.80	35.80	37.20
4.0	**0.5**	0	11.60	23.60	31.50	35.90	37.30
3.0	**2.0**	0	5.60	14.40	21.70	26.20	27.70
3.0	**1.5**	0	6.60	15.50	22.70	27.10	28.50
3.0	**1.0**	0	7.70	16.70	23.80	28.00	29.40
3.0	**0.5**	0	8.00	17.00	24.00	28.20	29.60
2.0	**1.5**	0	2.70	7.00	10.90	13.50	14.40
2.0	**1.0**	0	3.70	8.30	12.40	15.00	15.90
2.0	**0.5**	0	4.10	8.80	12.90	15.60	16.50
1.5	**1.0**	0	1.70	4.10	6.20	7.60	8.10
1.5	**0.5**	0	2.20	4.70	7.00	8.50	9.00
1.0	**0.5**	0	0.70	1.60	2.30	2.80	3.00

Table 207 Deflection Coefficients along Short Side, Mid-height ($y = a/2$) for Tanks having Case 7 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	*c/a* \ *z*	End	0.1c / 0.6c	0.2c / 0.7c	0.3c / 0.8c	0.4c / 0.9c	0.5c
4.0	**3.0**	0	4.60	13.10	20.50	25.20	26.80
4.0	**2.0**	0	1.10	4.50	8.10	10.60	11.50
4.0	**1.5**	0	-0.40	0.60	1.90	3.00	3.30
4.0	**1.0**	0	-1.20	-1.80	-2.00	-2.00	-2.00
4.0	**0.5**	0	-0.80	-1.40	-1.90	-2.10	-2.20
3.0	**2.0**	0	1.30	4.80	8.40	11.00	11.90
3.0	**1.5**	0	-0.30	0.80	2.20	3.30	3.70
3.0	**1.0**	0	-1.10	-1.60	-1.80	-1.80	-1.80
3.0	**0.5**	0	-0.80	-1.40	-1.80	-2.00	-2.10
2.0	**1.5**	0	0.30	1.70	3.40	4.50	5.00
2.0	**1.0**	0	-0.80	-1.00	-0.90	-0.80	-0.80
2.0	**0.5**	0	-0.60	-1.10	-1.40	-1.60	-1.70
1.5	**1.0**	0	-0.30	-0.20	0.10	0.30	0.40
1.5	**0.5**	0	-0.50	-0.80	-1.00	-1.10	-1.20
1.0	**0.5**	0	-0.20	-0.40	-0.40	-0.50	-0.50

Table 208 Deflection Coefficients along Long Side, Mid-span (x = *b*/2) for Tanks having Case 7 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	c/a \ y	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	2.00	7.40	15.30	25.00	35.90	47.70	59.80	72.10	84.50	96.80
4.0	**2.0**	0	2.00	7.40	15.40	25.20	36.30	48.20	60.50	73.00	85.50	98.10
4.0	**1.5**	0	2.00	7.50	15.60	25.50	36.70	48.70	61.20	73.90	86.60	99.40
4.0	**1.0**	0	2.10	7.60	15.70	25.80	37.20	49.40	62.00	74.90	87.80	100.80
4.0	**0.5**	0	2.10	7.60	15.80	25.80	37.30	49.50	62.20	75.10	88.00	101.00
3.0	**2.0**	0	1.60	5.90	12.10	19.50	27.70	36.30	45.10	53.90	62.60	71.40
3.0	**1.5**	0	1.70	6.10	12.40	20.10	28.50	37.40	46.50	55.60	64.70	73.80
3.0	**1.0**	0	1.70	6.20	12.80	20.70	29.40	38.70	48.10	57.50	67.00	76.40
3.0	**0.5**	0	1.70	6.30	12.80	20.80	29.60	38.90	48.40	57.90	67.40	77.00
2.0	**1.5**	0	1.00	3.40	6.70	10.50	14.40	18.30	22.20	25.90	29.50	33.20
2.0	**1.0**	0	1.10	3.70	7.30	11.50	15.90	20.40	24.70	29.00	33.10	37.30
2.0	**0.5**	0	1.10	3.80	7.60	11.90	16.50	21.10	25.60	30.00	34.30	38.70
1.5	**1.0**	0	0.60	2.10	4.00	6.10	8.10	10.00	11.80	13.50	15.10	16.70
1.5	**0.5**	0	0.70	2.30	4.40	6.70	9.00	11.10	13.20	15.10	16.90	18.80
1.0	**0.5**	0	0.30	0.90	1.70	2.40	3.00	3.50	3.90	4.30	4.70	5.00

Table 209 Deflection Coefficients along Short Side, Mid-span (z = *c*/2) for Tanks having Case 7 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	c/a \ y	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	**3.0**	0	1.60	5.70	11.70	18.90	26.80	.35.00	43.40	51.80	60.10	68.50
4.0	**2.0**	0	0.80	2.80	5.50	8.50	11.50	14.50	17.30	20.00	22.60	25.30
4.0	**1.5**	0	0.30	1.10	1.90	2.70	3.30	3.80	4.10	4.30	4.40	4.60
4.0	**1.0**	0	0.00	-0.20	-0.60	-1.30	-2.00	-2.90	-3.90	-4.80	-5.80	-6.70
4.0	**0.5**	0	-0.10	-0.50	-1.00	-1.50	-2.20	-2.90	-3.50	-4.20	-4.80	-5.50
3.0	**2.0**	0	0.80	2.90	5.60	8.70	11.90	14.90	17.90	20.70	23.40	26.20
3.0	**1.5**	0	0.40	1.20	2.10	2.90	3.70	4.20	4.60	4.90	5.20	5.50
3.0	**1.0**	0	0.00	-0.20	-0.50	-1.10	-1.80	-2.60	-3.50	-4.30	-5.20	-6.00
3.0	**0.5**	0	-0.10	-0.50	-0.90	-1.50	-2.10	-2.70	-3.30	-3.90	-4.50	-5.10
2.0	**1.5**	0	0.40	1.40	2.60	3.90	5.00	5.90	6.80	7.50	8.20	8.90
2.0	**1.0**	0	0.00	0.00	-0.10	-0.40	-0.80	-1.30	-1.80	-2.40	-2.90	-3.40
2.0	**0.5**	0	-0.10	-0.40	-0.70	-1.20	-1.70	-2.10	-2.60	-3.00	-3.40	-3.90
1.5	**1.0**	0	0.10	0.30	0.40	0.50	0.40	0.20	0.00	-0.20	-0.50	-0.70
1.5	**0.5**	0	-0.10	-0.30	-0.50	-0.80	-1.20	-1.50	-1.80	-2.10	-2.30	-2.60
1.0	**0.5**	0	0.00	-0.10	-0.20	-0.40	-0.50	-0.60	-0.70	-0.80	-0.90	-1.00

Table 210 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-68	4	-338	0	83	-41	0	74	51	0	50	64	0	24	58	0	0	54
0.9a	-75	10	-373	-6	79	-38	7	74	47	9	50	58	8	24	51	7	0	48
0.8a	-61	9	-303	-9	79	-34	7	74	41	8	50	50	5	24	43	4	0	40
0.7a	-49	8	-247	-11	79	-29	1	73	35	-2	50	40	-8	24	33	-11	0	30
0.6a	-39	8	-197	-13	79	-24	-11	72	27	-21	48	28	-31	23	21	-36	0	18
0.5a	-30	7	-150	-18	76	-20	-30	69	17	-50	45	15	-66	21	7	-72	0	4
0.4a	-21	6	-105	-26	71	17	-56	64	5	-89	41	0	-112	19	-9	-120	0	-12
0.3a	-13	5	-64	-38	62	-14	-91	55	-7	-139	34	-17	-169	15	-26	-179	0	-29
0.2a	-6	4	-28	-55	49	-14	-137	42	-22	202	25	-35	-239	11	-44	-251	0	-47
0.1a	-1	2	-5	-78	29	-16	-194	24	-37	-277	14	-54	-322	6	-63	-336	0	-66
BOT.	0	0	0	-108	0	-22	-265	0	-53	-367	0	-73	-418	0	-84	-433	0	-87

Table 211 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-68	4	-338	0	67	-88	0	71	31	0	54	74	0	28	87	0	0	89
0.9a	-75	10	-373	-12	62	-80	5	68	28	11	53	68	13	28	79	14	0	81
0.8a	-61	9	-303	-16	62	-71	6	68	26	15	53	60	18	29	69	18	0	71
0.7a	-49	8	-247	-15	62	-62	4	69	22	12	53	51	13	29	57	13	0	58
0.6a	-39	8	-197	-14	62	-51	-1	69	18	1	53	40	-1	28	44	-3	0	44
0.5a	-30	7	-150	-13	61	-40	-12	68	12	-18	52	27	-26	27	28	-29	0	28
0.4a	-21	6	-105	-16	57	-30	-28	64	5	-46	48	13	-60	25	11	-66	0	10
0.3a	-13	5	-64	-22	51	-21	-52	57	-3	-84	42	-3	-107	22	-7	-115	0	-9
0.2a	-6	4	-28	-32	41	-15	-84	45	13	-134	32	-20	-167	16	-26	-178	0	-29
0.1a	-1	2	-5	-45	25	-11	-126	27	-24	-197	19	-37	-241	9	-46	-256	0	-49
BOT.	0	0	0	-61	0	-12	-180	0	-36	-275	0	-55	-331	0	-66	-349	0	-70

Table 212 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-56	15	-281	0	84	-28	0	73	53	0	49	63	0	23	56	0	0	52
0.9a	-65	25	-323	-4	81	-26	7	73	49	8	49	57	7	24	50	7	0	46
0.8a	-53	24	-267	-7	80	-23	7	73	43	7	49	49	4	23	42	3	0	38
0.7a	-44	23	-221	-9	80	-20	1	72	36	-3	48	39	-9	23	32	-12	0	28
0.6a	-36	21	-180	-13	80	-17	-12	71	28	-23	47	27	-33	22	20	-37	0	16
0.5a	-28	19	-140	-18	77	-14	-31	68	17	-52	44	14	-68	20	6	-74	0	3
0.4a	-20	17	-100	-28	72	13	-59	63	5	-92	39	-1	-114	18	-10	-122	0	-13
0.3a	-13	14	-63	-42	63	-12	-96	54	-8	-143	33	-18	-172	15	-27	-182	0	-30
0.2a	-6	10	-29	-61	50	-14	-143	41	-23	-207	24	-36	-243	11	-45	-254	0	-48
0.1a	-1	5	-5	-87	30	-18	-202	23	-39	-283	13	-55	-326	6	-64	-339	0	-67
BOT.	0	0	0	-120	0	-24	-276	0	-55	-374	0	-75	-422	0	-84	-437	0	-87

Table 213 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-56	15	-281	0	28	-126	0	39	-7	0	33	58	0	18	90	0	0	100
0.9a	-65	25	-323	-18	23	-115	0	35	-6	9	31	54	14	18	83	15	0	92
0.8a	-53	24	-267	-21	24	-102	2	35	-5	15	31	49	23	18	75	25	0	83
0.7a	-44	23	-221	-17	25	-88	4	37	-3	18	32	44	26	18	66	29	0	73
0.6a	-36	21	-180	-12	26	-72	6	39	-2	18	34	37	24	19	56	26	0	61
0.5a	-28	19	-140	-7	27	-55	5	40	-1	13	35	29	17	20	43	18	0	47
0.4a	-20	17	-100	5	27	-40	1	40	-1	2	35	20	1	20	29	1	0	32
0.3a	-13	14	-63	-5	27	-26	-8	38	-2	-16	32	10	-23	18	14	-25	0	15
0.2a	-6	10	-29	-8	23	-14	-24	32	-5	-44	27	-2	-58	15	-2	-64	0	-3
0.1a	-1	5	-5	-14	15	-7	-47	20	-9	-83	17	-15	-108	9	-19	-117	0	-21
BOT.	0	0	0	-19	0	4	-79	0	-16	-137	0	-27	-175	0	-35	-188	0	-38

Table 214 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-47	31	-235	0	85	-14	0	72	56	0	48	62	0	23	54	0	0	50
0.9a	-55	38	-276	-2	82	-13	7	72	51	8	48	56	7	23	48	6	0	44
0.8a	-46	37	-230	-4	82	-11	8	72	45	7	48	48	3	23	40	2	0	36
0.7a	-38	36	-192	-7	82	-10	1	71	38	-4	47	38	-10	22	30	-13	0	26
0.6a	-32	34	-158	-11	82	-9	-12	70	29	-24	45	26	-35	21	18	-39	0	15
0.5a	-25	32	-125	-18	79	-8	-33	67	18	-54	42	13	-70	19	5	-76	0	1
0.4a	-18	28	-92	-30	74	-8	-62	61	5	-95	38	-3	-117	17	-11	-125	0	-14
0.3a	-12	23	-59	-46	65	-10	-101	52	-9	-147	31	-19	-176	14	-28	-185	0	-31
0.2a	-6	17	-28	-68	51	-14	-150	40	-24	-212	23	-37	-247	10	-46	-258	0	-49
0.1a	-1	9	-6	-97	30	-19	211	23	-41	-289	13	-56	-330	5	-65	-343	0	-68
BOT.	0	0	0	-134	0	-27	-287	0	-57	-381	0	-76	-427	0	-85	-440	0	-88

Table 215 Moment Coefficients along Short side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-47	31	-235	0	1	-139	0	12	-39	0	13	22	0	8	54	0	0	65
0.9a	-55	38	-276	-21	5	-125	-5	8	-35	4	10	21	8	6	51	9	0	61
0.8a	-46	37	-230	-23	4	-111	-5	8	-30	7	10	20	14	6	48	16	0	57
0.7a	-38	36	-192	-18	3	-95	-1	9	-25	11	11	20	19	7	44	21	0	52
0.6a	-32	34	-158	-12	2	-78	3	11	-19	15	13	19	22	8	40	24	0	46
0.5a	-25	32	-125	-6	0	-60	7	14	-13	17	15	17	23	9	34	25	0	39
0.4a	-18	28	-92	-2	3	-42	9	16	-8	16	17	14	20	10	26	21	0	30
0.3a	-12	23	-59	1	6	-27	8	17	-4	10	17	10	11	10	17	11	0	19
0.2a	-6	17	-28	2	7	-14	2	16	-2	2	16	4	-6	9	7	-7	0	8
0.1a	-1	9	-6	1	6	-4	-9	12	-2	-23	11	-3	-34	6	-4	-38	0	-5
BOT.	0	0	0	0	0	0	-27	0	-5	-57	0	-11	-78	0	-16	-86	0	-17

Table 216 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-39	45	-194	0	87	1	0	71	59	0	46	61	0	22	52	0	0	47
0.9a	-45	50	-227	0	85	1	8	71	54	8	46	55	6	22	46	6	0	42
0.8a	-38	50	-188	-1	84	1	8	71	48	6	46	47	3	22	38	1	0	34
0.7a	-31	49	-157	-4	84	1	1	70	40	-5	45	37	-12	21	28	-15	0	25
0.6a	-26	48	-129	-9	84	0	-13	69	30	-26	44	25	-37	20	17	-41	0	13
0.5a	-21	46	-103	-18	81	-1	-35	65	18	-57	41	12	-73	19	3	-78	0	0
0.4a	-15	42	-76	-31	75	-4	-65	60	5	-99	36	-4	-120	16	-12	-127	0	-15
0.3a	-10	36	-50	-49	66	-8	-106	51	-9	152	30	-21	-179	13	-29	-188	0	-32
0.2a	-5	27	-25	-75	51	-13	-157	38	-26	-217	22	-39	-251	9	-47	-261	0	-49
0.1a	-1	15	-6	-108	31	-21	-221	22	-43	-296	12	-58	-335	5	-66	-346	0	-69
BOT.	0	0	0	-151	0	-30	-300	0	-60	-388	0	-78	-431	0	-86	-444	0	-89

Table 217 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-39	45	-194	0	27	-156	0	12	-90	0	6	-48	0	2	-25	0	0	-17
0.9a	-45	50	-227	-26	27	-139	-14	16	-81	-7	8	-43	-4	4	-22	-3	0	-15
0.8a	-38	50	-188	-26	27	-122	-16	16	-71	-9	9	-37	-5	4	-17	-3	0	-11
0.7a	-31	49	-157	-21	28	-103	-12	16	-60	-6	8	-30	-2	4	-12	0	0	-6
0.6a	-26	48	-129	-15	28	-84	-7	15	-47	-1	8	-22	3	3	-6	5	0	-1
0.5a	-21	46	-103	-9	26	-64	-1	14	-35	6	6	-14	10	2	-1	11	0	3
0.4a	-15	42	-76	-3	22	-46	6	11	23	12	5	-7	16	1	3	17	0	6
0.3a	-10	36	-50	2	17	-28	11	7	-12	17	2	-1	20	0	5	21	0	8
0.2a	-5	27	-25	7	11	-14	14	4	-4	19	0	2	22	1	6	22	0	7
0.1a	-1	15	-6	10	5	-3	15	0	1	17	2	3	17	1	4	17	0	4
BOT.	0	0	0	13	0	3	13	0	3	3	0	2	3	0	1	2	0	0

Table 218 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-38	47	-191	0	88	4	0	71	60	0	46	61	0	22	51	0	0	47
0.9a	-45	49	-225	0	85	4	8	71	55	8	46	55	6	22	46	6	0	42
0.8a	-36	49	-182	0	85	4	8	71	48	6	46	47	2	22	38	1	0	34
0.7a	-30	49	-149	-3	85	3	2	70	40	-5	45	37	-12	21	28	-15	0	24
0.6a	-24	48	-119	-8	84	2	-13	69	30	-26	43	25	-37	20	16	-41	0	13
0.5a	-18	47	-92	-17	81	1	-35	65	18	-57	40	11	-73	18	3	-79	0	0
0.4a	-13	44	-66	-30	75	-2	-66	59	-5	-99	36	-4	-121	16	-12	-128	0	-15
0.3a	-8	39	-42	-49	66	-7	-107	50	-10	-153	30	-21	-180	13	-29	-189	0	-32
0.2a	-4	31	-20	-76	51	-13	-158	38	-26	-218	22	-39	-251	9	-47	-262	0	-50
0.1a	-1	18	-4	-111	30	-21	-223	21	-43	-297	12	-58	-335	5	-66	-347	0	-69
BOT.	0	0	0	-156	0	-31	-302	0	-60	-390	0	-78	-432	0	-86	-445	0	-89

Table 219 Moment Coefficients along Short Side for Rectangular Tanks Having Case 7 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-38	47	-191	0	43	-215	0	26	-186	0	16	-167	0	7	-156	0	0	-152
0.9a	-45	49	-225	-37	33	-191	-30	23	-166	-25	15	-151	-22	8	-142	-22	0	-139
0.8a	-36	49	-182	-33	33	-163	-31	23	-146	-29	14	-133	-28	7	-126	-28	0	-123
0.7a	-30	49	-149	-27	35	-135	-26	25	-123	-25	16	-113	-25	8	-108	-24	0	-106
0.6a	-24	48	-119	-21	36	-108	-20	26	-99	-19	17	-92	-18	8	-87	-18	0	-86
0.5a	-18	47	-92	-15	35	-83	-13	25	-75	-12	17	-69	-11	8	-66	-10	0	-65
0.4a	-13	44	-66	-10	33	-58	-7	24	-52	-5	16	-48	-3	8	-46	-3	0	-45
0.3a	-8	39	-42	4	29	-36	0	21	-32	2	14	-29	4	7	-27	4	0	-26
0.2a	-4	31	-20	2	22	-17	6	16	-15	9	11	-13	11	5	-11	12	0	-11
0.1a	-1	18	-4	7	14	-4	12	10	-2	16	6	-1	19	3	0	20	0	0
BOT.	0	0	0	0	0	2	21	0	4	26	0	5	29	0	6	30	0	6

Table 220 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-52	6	-259	0	72	-65	0	70	39	0	52	75	0	27	85	0	0	87
0.9a	-62	19	-311	-9	67	-60	6	68	35	11	51	69	13	26	77	13	0	78
0.8a	-52	18	-258	-12	67	-53	7	68	32	15	51	61	17	27	67	17	0	68
0.7a	-43	18	-215	-12	68	-46	5	69	27	11	52	51	11	27	56	11	0	56
0.6a	-35	17	-176	-12	68	-38	-2	69	22	-1	51	39	-4	26	42	-5	0	42
0.5a	-28	15	-138	-14	66	-31	-14	68	15	-22	50	26	-29	25	27	-33	0	26
0.4a	-20	13	-100	-18	62	-23	-32	64	7	-51	46	12	-66	23	9	-71	0	8
0.3a	-13	11	-63	-26	56	-18	-58	56	-3	91	40	-4	-114	20	-9	-122	0	-11
0.2a	-6	8	-29	-38	44	-14	-93	44	-14	-143	31	-22	-175	15	-28	-186	0	-31
0.1a	-1	4	-6	-55	27	-13	-138	26	-26	-208	18	-40	-250	8	-48	-264	0	-51
BOT.	0	0	0	-75	0	-15	-196	0	-39	-288	0	-58	-342	0	-68	-359	0	-72

Table 221 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-52	6	-259	0	30	-120	0	40	-4	0	33	60	0	19	91	0	0	100
0.9a	-62	19	-311	17	25	-109	1	36	-3	10	31	55	14	18	84	15	0	92
0.8a	-52	18	-258	20	25	-98	2	36	-2	16	31	50	23	18	76	25	0	84
0.7a	-43	18	-215	16	26	-84	4	38	-1	18	33	45	26	19	67	28	0	73
0.6a	-35	17	-176	12	27	-69	6	40	0	18	34	38	24	19	56	26	0	61
0.5a	-28	15	-138	8	29	-53	5	41	0	12	35	30	16	20	43	17	0	47
0.4a	-20	13	-100	5	29	-38	0	41	0	1	35	20	0	20	29	0	0	32
0.3a	-13	11	-63	6	28	-25	10	38	-1	18	33	10	24	18	14	27	0	15
0.2a	-6	8	-29	9	24	-14	26	32	-5	46	27	-2	61	15	-3	66	0	-3
0.1a	-1	4	-6	15	16	-7	49	21	-10	85	17	-15	111	9	-19	120	0	-21
BOT.	0	0	0	21	0	-4	82	0	-16	140	0	-28	179	0	-36	192	0	-38

Table 222 Moment Coefficients along Long Side for Rectangular Tanks 8 having Case 7 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-43	23	-214	0	75	-46	0	70	45	0	51	76	0	26	84	0	0	85
0.9a	-53	33	-264	-6	71	-43	7	69	41	11	51	69	13	26	76	13	0	76
0.8a	-44	32	-222	-9	71	-38	8	69	37	15	51	61	16	26	66	16	0	66
0.7a	-37	31	-187	-10	71	-33	5	69	31	10	51	51	10	26	54	9	0	54
0.6a	-31	30	-156	-11	71	-28	-2	69	25	-3	50	39	-6	26	40	-8	0	40
0.5a	-25	28	-124	-14	70	-23	-16	68	17	-24	49	26	-32	25	25	-36	0	24
0.4a	-18	25	-92	-20	66	-18	-35	64	8	-55	45	11	-70	22	8	-75	0	6
0.3a	-12	21	-59	-30	58	-14	-63	56	-3	-96	39	-6	-119	19	-10	-119	0	-13
0.2a	-6	15	-29	-44	47	-13	-100	44	-15	-150	30	-23	-181	14	-30	-181	0	-32
0.1a	-1	8	-6	-63	28	-14	-148	26	-28	-217	17	-41	-258	8	-50	-272	0	-53
BOT.	0	0	0	-88	0	-18	-210	0	-42	-299	0	-60	-350	0	-70	-366	0	-73

Table 223 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-43	23	-214	0	1	-132	0	13	-35	0	13	24	0	8	56	0	0	66
0.9a	-53	33	-264	-20	3	-119	-4	9	-31	4	11	23	8	7	53	9	0	62
0.8a	-44	32	-222	-22	2	-106	-4	9	-27	8	10	23	14	7	50	16	0	58
0.7a	-37	31	-187	-17	1	-91	-1	10	-22	12	12	22	19	7	46	21	0	53
0.6a	-31	30	-156	-12	0	-75	4	13	-17	15	14	20	22	9	41	24	0	47
0.5a	-25	28	-124	-7	2	-58	7	15	-11	17	16	18	22	10	34	24	0	40
0.4a	-18	25	-92	-2	5	-41	9	17	-7	15	17	15	19	10	27	20	0	30
0.3a	-12	21	-59	1	8	-26	7	18	-4	9	18	10	10	11	17	10	0	20
0.2a	-6	15	-29	1	9	-14	1	17	-2	-4	16	-4	-8	9	7	-10	0	7
0.1a	-1	8	-6	0	7	-4	-11	12	-3	-26	11	-4	-37	6	-5	-41	0	-5
BOT.	0	0	0	-2	0	0	-30	0	-6	-61	0	-12	-82	0	-16	-90	0	-18

Table 224 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-35	39	-175	0	79	-26	0	71	52	0	51	77	0	26	82	0	0	82
0.9a	-43	45	-216	-3	75	-23	8	70	48	11	50	70	12	26	74	13	0	74
0.8a	-36	45	-181	-5	75	-21	10	70	42	14	50	61	15	26	64	15	0	64
0.7a	-30	45	-152	-6	75	-18	7	70	36	9	50	51	8	26	52	8	0	52
0.6a	-25	44	-127	-8	75	-15	-2	70	29	-4	50	39	-9	25	39	-10	0	38
0.5a	-20	42	-102	-12	74	-13	-17	68	20	-27	48	25	-36	24	23	-39	0	22
0.4a	-15	39	-76	-20	69	-11	-39	63	9	-59	44	10	-74	22	6	-80	0	4
0.3a	-10	33	-50	-33	62	-10	-69	55	-3	-102	38	-7	-125	18	-12	-133	0	-14
0.2a	-5	25	-26	-50	49	-12	-108	43	-16	-158	29	-25	-189	14	-32	-199	0	-34
0.1a	-1	14	-6	-74	30	-15	-160	25	-30	-227	16	-44	-267	8	-52	-279	0	-54
BOT.	0	0	0	-105	0	-21	-226	0	-45	-311	0	-62	-360	0	-72	-375	0	-75

Table 225 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-35	39	-175	0	25	11	0	11	-84	0	5	-44	0	2	-21	0	0	-13
0.9a	-43	45	-216	-25	25	14	-13	14	-76	-6	7	-39	-3	3	-18	-2	0	-11
0.8a	-36	45	-181	-25	25	14	-15	14	-67	-8	8	-33	-4	3	-14	-3	0	-7
0.7a	-30	45	-152	-20	26	14	-12	14	-56	-5	7	-26	-1	3	-9	0	0	-3
0.6a	-25	44	-127	-15	25	14	-6	14	-44	0	7	-19	4	3	-4	5	0	1
0.5a	-20	42	-102	-9	24	12	-1	12	-33	6	6	-12	10	2	1	11	0	5
0.4a	-15	39	-76	-4	20	10	5	10	-21	12	4	5	15	1	4	17	0	7
0.3a	-10	33	-50	2	16	6	10	6	-12	16	2	0	19	0	6	20	0	8
0.2a	-5	25	-26	6	10	3	13	3	-4	18	1	3	20	1	6	21	0	7
0.1a	-1	14	-6	9	5	0	14	0	1	15	2	3	15	1	4	15	0	4
BOT.	0	0	0	12	0	0	10	0	2	5	0	1	0	0	0	-2	0	0

Table 226 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-34	41	-171	0	79	-22	0	71	54	0	51	77	0	26	81	0	0	81
0.9a	-43	45	-213	-3	76	-20	8	70	49	11	50	70	12	26	74	13	0	73
0.8a	-35	44	-174	-4	76	-17	10	70	44	15	50	61	15	26	64	15	0	63
0.7a	-29	45	-143	-4	77	-14	7	71	37	9	50	51	8	25	52	7	0	51
0.6a	-23	45	-116	-6	76	-12	-1	70	29	-4	50	39	-9	25	38	-11	0	37
0.5a	-18	44	-90	-11	74	-10	-16	68	20	-27	48	25	-37	24	23	-40	0	21
0.4a	-13	42	-65	-19	70	-8	-39	63	9	-60	44	10	-75	21	6	-81	0	4
0.3a	--8	37	-42	-32	62	-9	-69	55	-3	-104	37	-7	-126	18	-13	-134	0	-15
0.2a	-4	29	-20	-51	49	-11	-110	43	-16	-159	28	-25	-190	14	-32	-201	0	-34
0.1a	-1	18	-5	-77	30	-15	-163	25	-31	-229	16	-44	-268	8	-52	-281	0	-55
BOT.	0	0	0	-111	0	-22	-230	0	-46	-314	0	-63	-362	0	-72	-377	0	-75

Table 227 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-34	41	-171	0	40	-202	0	24	-175	0	15	-157	0	7	-147	0	0	-143
0.9a	-43	45	-213	-35	30	-180	-28	22	-157	-24	14	-142	-21	7	-134	-20	0	-131
0.8a	-35	44	-174	-32	31	-155	-30	21	-138	-28	13	-126	-27	7	-119	-26	0	-116
0.7a	-29	45	-143	-26	32	-129	-25	23	-117	-24	15	-107	-23	7	-102	-23	0	-100
0.6a	-23	45	-116	-21	33	-104	-19	24	-94	-18	16	-87	-17	8	--83	-17	0	-81
0.5a	-18	44	-90	-15	33	-80	-13	24	-72	-12	16	-66	-11	8	-63	-10	0	-62
0.4a	-13	42	-65	-10	31	-57	-7	23	-51	-5	15	-46	-4	7	-43	-3	0	-43
0.3a	--8	37	-42	-4	27	-36	-1	20	-31	2	13	-28	3	6	-26	4	0	-25
0.2a	-4	29	-20	1	22	-17	6	15	-14	9	10	-12	10	5	-11	11	0	-10
0.1a	-1	18	-5	6	13	-4	12	9	-2	16	6	-1	18	3	0	19	0	0
BOT.	0	0	0	12	0	2	20	0	4	25	0	5	28	0	6	29	0	6

Table 228 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-33	5	-164	0	43	-73	0	45	20	0	35	71	0	19	96	0	0	103
0.9a	-45	16	-223	-10	38	-66	4	42	19	11	33	65	15	18	88	16	0	95
0.8a	-38	16	-192	-12	39	-60	6	42	17	17	34	59	23	18	80	25	0	86
0.7a	-33	15	-166	-10	40	-53	8	44	16	19	35	52	25	19	69	27	0	74
0.6a	-28	15	-142	-8	41	-44	7	45	13	16	36	44	21	20	57	23	0	61
0.5a	-23	14	-116	-7	42	-35	3	47	10	8	37	34	10	20	44	11	0	46
0.4a	-18	13	-88	-8	42	-26	-5	46	7	-7	36	22	-9	19	28	-10	0	30
0.3a	-12	1	-59	-11	39	-18	-19	43	2	-30	34	9	-38	18	12	-41	0	12
0.2a	-6	9	-30	-18	33	-12	-40	36	-5	63	27	-5	-79	14	-6	-85	0	-7
0.1a	-1	5	-7	-28	21	-8	-70	22	-13	-108	17	-19	-135	9	-24	-144	0	-26
BOT.	0	0	0	-41	0	-8	-110	0	-22	-170	0	-34	-208	0	-42	-221	0	-44

Table 229 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-33	5	-164	0	9	-105	0	17	-18	0	16	35	0	9	64	0	0	73
0.9a	-45	16	-223	-16	5	-95	2	13	-16	5	13	33	9	8	60	10	0	69
0.8a	-38	16	-192	-18	6	-86	1	13	-14	10	13	31	16	8	56	18	0	64
0.7a	-33	15	-166	-14	7	-75	1	15	-11	13	14	29	20	9	51	22	0	58
0.6a	-28	15	-142	-10	8	-63	4	17	-8	15	16	26	22	10	45	24	0	51
0.5a	-23	14	-116	-7	10	-49	6	19	-5	16	18	23	21	11	37	23	0	42
0.4a	-18	13	-88	-4	12	-36	6	21	-3	12	20	18	16	12	28	17	0	32
0.3a	-12	1	-59	-2	14	-24	3	22	-1	4	20	11	4	12	18	4	0	19
0.2a	-6	9	-30	-2	13	-13	-5	20	-2	-11	18	4	-17	10	6	-18	0	6
0.1a	-1	5	-7	-5	10	-5	-20	14	-4	-37	12	-6	-49	7	-7	-54	0	-8
BOT.	0	0	0	-9	0	-2	-42	0	-8	-76	0	-15	-98	0	-20	-106	0	-21

Table 230 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-26	22	-128	0	50	-45	0	49	35	0	37	78	0	19	99	0	0	106
0.9a	-35	29	-176	-6	46	-42	6	46	32	12	35	72	15	19	91	16	0	97
0.8a	-30	29	-152	-7	46	-38	9	46	29	19	36	65	24	19	82	25	0	87
0.7a	-27	30	133	-5	48	-33	10	48	26	20	37	57	26	20	71	27	0	75
0.6a	-23	30	-114	-5	49	-28	9	49	22	16	38	47	20	20	58	22	0	61
0.5a	-19	29	-95	-5	50	-22	3	50	17	7	38	36	8	20	44	8	0	46
0.4a	-15	28	-74	-8	49	-17	-8	49	11	-11	38	23	-14	20	28	-15	0	29
0.3a	-10	24	-51	-14	45	-13	-24	45	4	-36	34	9	-46	18	10	-49	0	10
0.2a	-5	19	-27	-23	38	-10	-49	37	-5	-73	28	-6	-90	14	-8	-96	0	-9
0.1a	-1	11	-7	-37	24	-9	-83	23	-15	-123	17	-22	-149	9	-27	-158	0	-29
BOT.	0	0	0	-55	0	-11	-129	0	-26	-189	0	-38	-226	0	-45	-238	0	-48

Table 231 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-26	22	-128	0	16	-114	0	6	-60	0	2	-24	0	0	4	0	0	3
0.9a	-35	29	-176	-19	17	-103	-9	9	-54	-4	4	-21	-1	2	2	0	0	4
0.8a	-30	29	-152	-20	16	-93	-11	9	-48	-5	5	-17	-1	2	0	0	0	6
0.7a	-27	30	-133	-17	17	-81	-9	9	-41	-2	4	-13	2	2	3	3	0	9
0.6a	-23	30	-114	-13	17	-68	-5	8	-33	1	3	-8	5	1	6	7	0	11
0.5a	-19	29	-95	-9	15	-54	0	7	-24	6	2	-4	10	0	8	11	0	12
0.4a	-15	28	-74	-4	13	-40	4	4	-16	10	0	0	14	1	9	15	0	12
0.3a	-10	24	-51	0	9	-26	8	1	-9	13	2	3	16	2	9	17	0	11
0.2a	-5	19	-27	4	5	-13	9	1	-3	13	3	3	14	2	7	15	0	8
0.1a	-1	11	-7	6	1	-3	8	3	0	7	4	2	6	2	3	5	0	3
BOT.	0	0	0	7	0	1	1	0	0	-7	0	-1	-14	0	-3	-17	0	-3

Table 232 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-24	26	-120	0	52	-38	0	50	40	0	38	81	0	20	100	0	0	106
0.9a	-33	31	-167	-5	48	-34	7	48	37	13	36	74	16	19	92	17	0	97
0.8a	-28	31	-140	-5	49	-30	10	48	33	20	37	67	24	19	83	26	0	87
0.7a	-24	32	-119	-3	50	-26	12	49	30	21	38	58	26	20	71	27	0	75
0.6a	-20	33	-99	-2	51	-21	10	51	25	17	39	48	20	20	58	21	0	61
0.5a	-16	33	-80	-3	52	-16	4	51	19	7	39	36	7	21	44	7	0	45
0.4a	-12	33	-61	-6	51	-12	-7	50	12	-11	38	23	-15	20	27	-17	0	28
0.3a	-8	30	-40	-13	48	-9	-25	46	4	-39	34	9	-48	18	9	-52	0	9
0.2a	-4	25	-21	-24	39	-8	-51	37	-5	-77	28	-7	-94	14	-9	-100	0	-10
0.1a	-1	15	-5	-41	25	-9	-88	23	-16	-128	17	-23	-154	8	-28	-163	0	-30
BOT.	0	0	0	-64	0	-13	-137	0	-27	-196	0	-39	-232	0	-46	-245	0	-49

Table 233 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-24	26	-120	0	29	-155	0	18	-134	0	11	-119	0	5	-111	0	0	-108
0.9a	-33	31	-167	-27	22	-140	-22	16	-121	-18	10	-109	-16	5	-102	-15	0	-99
0.8a	-28	31	-140	-25	22	-123	-23	15	-108	-22	10	-97	-20	5	-91	-20	0	-89
0.7a	-24	32	-119	-22	24	-104	-20	17	-93	-19	11	-84	-19	5	-78	-19	0	-77
0.6a	-20	33	-99	-18	25	-87	-16	18	-76	-15	12	-69	-15	6	64	-14	0	-63
0.5a	-16	33	-80	-14	25	-69	-12	18	-59	-10	12	-53	-10	6	49	-9	0	-48
0.4a	-12	33	-61	-9	25	-50	-7	18	-43	-5	12	-37	-4	6	34	-4	0	-33
0.3a	-8	30	-40	-4	22	-33	-1	16	-27	1	10	-23	2	5	20	3	0	-19
0.2a	-4	25	-21	1	18	-16	4	12	-13	7	8	-10	9	4	8	9	0	-8
0.1a	-1	15	-5	5	11	-4	10	7	-2	13	5	-1	15	2	0	16	0	1
BOT.	0	0	0	10	0	2	16	0	3	20	0	4	22	0	4	22	0	4

Table 234 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-18	9	-89	0	26	-45	0	27	20	0	21	61	0	11	83	0	0	90
0.9a	-27	15	-135	-7	23	-42	3	24	18	9	19	56	12	10	77	13	0	84
0.8a	-24	15	-121	-7	23	-39	6	24	17	15	19	52	20	10	71	21	0	77
0.7a	-22	16	-110	-5	25	-35	8	26	16	18	20	47	24	11	63	26	0	69
0.6a	-20	16	-98	4	26	-30	9	28	14	18	22	41	24	12	55	25	0	59
0.5a	-17	16	-85	-3	28	-25	8	30	12	15	24	33	19	13	44	21	0	47
0.4a	-14	16	-68	-4	30	-19	3	31	9	7	25	24	9	13	32	9	0	34
0.3a	-10	14	-49	-6	29	-14	-5	31	5	-7	24	14	-9	13	18	-10	0	19
0.2a	-5	11	-27	-10	26	-9	-20	27	-1	-30	21	2	-37	11	3	-40	0	3
0.1a	-1	7	-7	-18	17	-6	-42	18	-7	-64	14	-10	-78	7	-13	-84	0	-14
BOT.	0	0	0	-30	0	-6	-75	0	-15	-113	0	-23	-138	0	-28	-146	0	-29

Table 235 Moment Coefficients along Short side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-18	9	-81	0	7	-81	0	0	-35	0	2	3	0	1	15	0	0	21
0.9a	-27	15	-74	-14	8	-74	-5	3	-31	1	1	2	1	0	15	2	0	20
0.8a	-24	15	-68	-14	8	-68	-6	4	-28	1	1	0	3	0	15	4	0	21
0.7a	-22	16	-61	-13	8	-61	-5	3	-24	1	1	2	5	0	16	6	0	21
0.6a	-20	16	-53	-10	7	-53	-2	2	-19	4	0	4	8	1	17	9	0	21
0.5a	-17	16	-43	-7	6	-43	1	1	-14	7	2	6	11	1	17	12	0	20
0.4a	-14	16	-33	-4	4	-33	4	2	-9	9	3	7	13	2	15	14	0	18
0.3a	-10	14	-22	-1	2	-22	5	4	-5	10	5	6	12	3	12	13	0	14
0.2a	-5	11	-12	1	1	-12	5	6	-2	7	6	4	8	4	7	8	0	8
0.1a	-1	7	-4	2	2	-4	1	6	-1	-2	5	1	-5	3	1	-6	0	1
BOT.	0	0	0	1	0	0	-10	0	-2	-22	0	-4	-30	0	-6	-33	0	-7

Table 236 Moment Coefficients along Long Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-16	15	-78	0	30	33	0	30	29	0	23	68	0	12	88	0	0	95
0.9a	-24	19	-119	-5	27	29	5	27	27	10	21	63	13	11	82	14	0	88
0.8a	-21	19	-104	-4	27	26	8	27	26	17	21	58	21	11	75	23	0	80
0.7a	-18	20	-92	-2	29	23	11	29	23	20	22	52	25	12	67	27	0	72
0.6a	-16	21	-80	-0	31	19	12	31	21	20	24	45	25	13	57	27	0	61
0.5a	-13	23	-67	-0	33	-15	10	33	17	16	26	36	20	14	46	21	0	49
0.4a	-11	23	-53	-2	34	-11	4	34	13	7	26	26	8	14	32	8	0	34
0.3a	-8	22	-38	-5	34	-8	-6	33	7	-9	25	15	-12	13	18	-13	0	19
0.2a	-4	9	-21	-12	30	-6	-23	29	0	-34	22	2	-43	11	2	-45	0	2
0.1a	-1	12	-6	-23	20	-6	-49	19	8	-72	14	12	-87	7	14	-92	0	15
BOT.	0	0	0	-40	0	-8	-87	0	17	-125	0	25	-150	0	30	-158	0	32

Table 237 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-16	-78	15	0	-108	19	0	-92	11	0	-80	7	0	-74	3	0	-72	0
0.9a	-24	-119	19	-19	-98	14	-15	-83	10	-12	-74	7	-10	-68	3	-10	-66	0
0.8a	-21	-104	19	-18	-88	14	-16	-76	10	-15	-66	6	-14	-61	3	-14	-59	0
0.7a	-18	-92	20	-16	-78	15	-15	-66	11	-14	-58	7	-13	-53	3	-13	-51	0
0.6a	-16	-80	21	-14	-66	16	-13	-56	12	-12	-48	8	-11	-44	4	-11	-42	0
0.5a	-13	-67	23	-11	-54	17	-10	-45	13	-8	-38	8	-8	-34	4	-7	-32	0
0.4a	-11	-53	23	-8	-42	17	-6	-33	12	-4	-27	8	-3	-23	4	-3	-22	0
0.3a	-8	-38	22	-4	-28	16	-2	-21	11	0	-16	7	1	-13	3	2	-12	0
0.2a	-4	-21	19	0	-15	13	3	-10	9	5	-7	5	7	-5	3	7	-4	0
0.1a	-1	-6	12	4	-4	8	7	-2	5	10	0	3	11	1	1	12	1	0
BOT.	0	0	0	8	2	0	12	2	0	13	3	0	14	3	0	14	3	0

Table 238 Moment Coefficients along Long side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	-7	5	-37	0	10	-19	0	10	16	0	6	40	0	44	54	0	0	58
0.9a	-12	6	-62	-4	8	-17	2	8	15	5	6	38	7	3	55	7	0	55
0.8a	-11	6	-57	-3	8	-16	4	8	15	9	6	36	11	3	52	12	0	52
0.7a	-11	7	-54	-2	9	-15	6	8	14	11	7	33	14	4	48	16	0	48
0.6a	-10	8	-50	-1	10	-14	7	10	13	13	8	31	16	4	44	17	0	44
0.5a	-9	9	-46	0	12	-12	7	12	11	13	10	27	16	5	38	17	0	38
0.4a	-8	11	-39	-0	14	-10	6	14	10	11	11	21	14	6	28	15	0	30
0.3a	6	11	-31	-1	16	-7	3	16	7	6	13	15	7	7	19	8	0	20
0.2a	-4	10	-20	-3	16	-5	-4	16	3	-5	12	7	-6	7	9	-7	0	9
0.1a	-1	7	-7	-8	12	-3	-17	12	-2	-25	9	-2	-30	5	-3	-32	0	-3
BOT.	0	0	0	-17	0	-3	-40	0	-8	-59	0	-12	-71	0	-14	-75	0	-15

Table 239 Moment Coefficients along Short Side for Rectangular Tanks having Case 7 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	-7	5	-37	0	7	-51	0	4	-40	0	2	-32	0	1	-27	0	0	-25
0.9a	-12	6	-62	-9	5	-47	-6	4	-37	-4	2	-29	-4	1	-25	-3	0	-23
0.8a	-11	6	-57	-9	5	-44	-7	3	-34	-6	2	-27	-5	1	-22	-5	0	-21
0.7a	-11	7	-54	-9	5	-41	-7	4	-31	-6	3	-24	-5	1	-19	-5	0	-18
0.6a	-10	8	-50	-8	6	-37	-7	5	-27	-6	3	-20	-5	2	-16	-5	0	-14
0.5a	-9	9	-46	-7	7	-33	-6	5	-23	-4	3	-16	-4	2	-12	-3	0	-10
0.4a	-8	11	-39	-6	8	-27	-4	5	-17	-2	3	-11	-1	2	-7	-1	0	-6
0.3a	6	11	-31	-4	8	-20	-1	5	-12	0	3	-6	1	1	-3	2	0	-2
0.2a	-4	10	-20	-1	6	-11	-1	3	-6	3	2	-2	4	1	0	5	0	1
0.1a	-1	7	-7	2	3	-4	4	1	-1	5	0	1	6	0	1	6	0	2
BOT.	0	0	0	4	0	1	4	0	1	3	0	1	2	0	0	1	0	0

Table 240 Deflection Coefficients along Long Side, Mid-height (*y* = *a*/2) for Tanks having Case 8 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	x / c/a	End	0.1b / 0.9b	0.2b / 0.8b	0.3b / 0.7b	0.4b / 0.6b	0.5b
4.0	**3.0**	0	2.50	4.40	5.10	5.10	5.20
4.0	**2.0**	0	2.50	4.40	5.10	5.10	5.20
4.0	**1.5**	0	2.50	4.40	5.10	5.10	5.20
4.0	**1.0**	0	2.60	4.50	5.10	5.10	5.20
4.0	**0.5**	0	2.90	4.60	5.10	5.10	5.20
3.0	**2.0**	0	1.80	3.70	4.70	5.00	5.10
3.0	**1.5**	0	1.80	3.70	4.70	5.00	5.10
3.0	**1.0**	0	1.90	3.80	4.70	5.10	5.10
3.0	**0.5**	0	2.20	4.00	4.80	5.10	5.20
2.0	**1.5**	0	1.00	2.50	3.70	4.30	4.50
2.0	**1.0**	0	1.10	2.60	3.70	4.30	4.50
2.0	**0.5**	0	1.40	2.90	3.90	4.50	4.60
1.5	**1.0**	0	0.70	1.80	2.70	3.30	3.50
1.5	**0.5**	0	1.00	2.10	3.00	3.50	3.70
1.5	**0.5**	0	0.50	1.00	1.50	1.80	2.00

Table 241 Deflection Coefficients along Short Side, Mid-height (*y* = *a*/2) for Tanks having Case 8 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	z / c/a	End	0.1c / 0.9c	0.2c / 0.8c	0.3c / 0.7c	0.4c / 0.6c	0.5c
4.0	**3.0**	0	1.80	3.70	4.70	5.00	5.10
4.0	**2.0**	0	1.00	2.50	3.60	4.60	4.50
4.0	**1.5**	0	0.60	1.60	2.60	3.20	3.40
4.0	**1.0**	0	0.10	0.50	1.00	1.30	1.40
4.0	**0.5**	0	-0.20	-0.20	-0.30	-0.30	-0.30
3.0	**2.0**	0	1.00	2.50	3.60	4.30	4.50
3.0	**1.5**	0	0.60	1.60	2.60	3.20	3.40
3.0	**1.0**	0	0.10	0.50	1.00	1.30	1.40
3.0	**0.5**	0	-0.20	-0.20	-0.30	-0.30	-0.30
2.0	**1.5**	0	0.60	1.60	2.60	3.20	3.40
2.0	**1.0**	0	0.10	0.50	1.00	1.30	1.40
2.0	**0.5**	0	-0.20	-0.20	-0.30	-0.30	-0.30
1.5	**1.0**	0	1.10	0.60	1.00	1.30	1.40
1.5	**0.5**	0	-0.20	-0.20	-0.30	-0.30	-0.30
1.5	**0.5**	0	-0.10	-0.20	-0.20	-0.20	-0.20

Table 242 Deflection Coefficients along Long Side, Mid-span (x = *b*/2) for Tanks having Case 8 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	c/a \ y	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	0.50	1.70	3.20	4.40	5.20	5.40	4.90	3.70	2.00	0
4.0	2.0	0	0.50	1.70	3.20	4.40	5.20	5.40	4.90	3.70	2.00	0
4.0	1.5	0	0.50	1.70	3.20	4.40	5.20	5.40	4.90	3.70	2.00	0
4.0	1.0	0	0.50	1.70	3.20	4.40	5.20	5.40	4.90	3.70	2.00	0
4.0	0.5	0	0.50	1.70	3.20	4.40	5.20	5.40	4.90	3.70	2.00	0
3.0	2.0	0	0.50	1.70	3.10	4.40	5.20	5.30	4.80	3.70	2.00	0
3.0	1.5	0	0.50	1.70	3.10	4.30	5.10	5.30	4.80	3.70	2.00	0
3.0	1.0	0	0.50	1.70	3.10	4.30	5.10	5.30	4.80	3.70	2.00	0
3.0	0.5	0	0.50	1.70	3.10	4.40	5.20	5.30	4.80	3.70	2.00	0
2.0	1.5	0	0.50	1.50	2.80	3.80	4.50	4.60	4.20	3.20	1.70	0
2.0	1.0	0	0.50	1.60	2.80	3.90	4.50	4.70	4.20	3.20	1.70	0
2.0	0.5	0	0.50	1.60	2.80	3.90	4.60	4.80	4.30	3.30	1.80	0
1.5	1.0	0	0.40	1.20	2.20	3.00	3.50	3.60	3.20	2.50	1.30	0
1.5	0.5	0	0.40	1.30	2.30	3.20	3.70	3.80	3.50	2.60	1.40	0
1.0	0.5	0	0.20	0.80	1.30	1.70	2.00	2.00	1.80	1.40	0.70	0

Table 243 Deflection Coefficients along Short Side, Mid-span (z = *c*/2) for Tanks having Case 8 Arrangements for Various Length/Height and Width/Height Ratios

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

b/a	c/a \ y	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	0.50	1.70	3.10	4.30	5.10	5.30	4.80	3.70	2.00	0
4.0	2.0	0	0.50	1.50	2.80	3.80	4.50	4.60	4.20	3.20	1.70	0
4.0	1.5	0	0.40	1.20	2.10	2.90	3.40	3.50	3.10	2.40	1.30	0
4.0	1.0	0	0.20	0.60	1.00	1.20	1.40	1.40	1.30	1.00	0.50	0
4.0	0.5	0	0.00	-0.10	-0.20	-0.20	-0.30	-0.30	-0.30	-0.20	-0.10	0
3.0	2.0	0	0.50	1.50	2.80	3.80	4.50	4.60	4.20	3.20	1.70	0
3.0	1.5	0	0.40	1.20	2.10	2.90	3.40	3.50	3.10	2.40	1.30	0
3.0	1.0	0	0.20	0.60	1.00	1.20	1.40	1.40	1.30	1.00	0.50	0
3.0	0.5	0	0.00	-0.10	-0.20	-0.20	-0.30	-0.30	-0.30	-0.20	-0.10	0
2.0	1.5	0	0.40	1.20	2.10	2.90	3.40	3.50	3.10	2.40	1.30	0
2.0	1.0	0	0.20	0.60	1.00	1.20	1.40	1.40	1.30	1.00	0.50	0
2.0	0.5	0	0.00	-0.10	-0.20	-0.20	-0.30	-0.30	-0.30	-0.20	-0.10	0
1.5	1.0	0	0.20	0.60	1.00	1.30	1.40	1.40	1.30	1.00	0.50	0
1.5	0.5	0	0.00	-0.10	-0.10	-0.20	-0.30	-0.30	-0.30	-0.20	-0.10	0
1.0	0.5	0	0.00	0.00	-0.10	-0.10	-0.20	-0.20	-0.20	-0.10	0.00	0

Table 244 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	3	0	0	22	0	0	8	0	0	2	0	0	0	0	0	0	0
0.9a	-7	2	-35	18	20	7	28	8	9	32	2	7	32	0	7	32	0	7
0.8a	-12	1	-60	28	16	13	47	6	15	53	2	13	55	0	11	55	0	11
0.7a	-15	1	-75	33	10	16	58	4	19	66	1	16	67	0	14	67	0	14
0.6a	-16	0	-81	34	2	17	60	1	20	68	0	16	70	0	15	70	0	14
0.5a	-16	0	-78	31	5	16	55	2	19	61	1	15	62	0	13	63	0	13
0.4a	-14	1	-68	24	11	13	41	5	15	44	1	11	45	0	9	45	0	9
0.3a	-10	1	-50	12	15	9	18	6	8	18	1	5	18	0	4	18	0	4
0.2a	-6	2	-29	-6	15	3	-14	6	0	-19	1	-3	-20	0	-4	-20	0	-4
0.1a	-2	1	-8	-32	11	-5	-57	4	-11	-65	1	-13	-67	0	-13	-67	0	-13
BOT.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 245 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 4.0, *c/a* = 3.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	3	0	0	25	0	0	15	0	0	7	0	0	2	0	0	0	0
0.9a	-7	2	-35	13	23	4	24	14	9	30	6	8	32	2	7	32	0	7
0.8a	-12	1	-60	20	18	7	40	11	16	50	5	14	53	2	13	54	0	12
0.7a	-15	1	-75	23	11	8	49	7	20	61	3	18	65	1	16	67	0	15
0.6a	-16	0	-81	23	2	8	50	1	21	63	0	19	68	0	17	69	0	16
0.5a	-16	0	-78	21	5	8	46	4	20	57	2	18	61	1	15	62	0	14
0.4a	-14	1	-68	16	12	7	35	8	17	42	4	14	44	1	11	45	0	40
0.3a	-10	1	-50	9	16	5	16	10	10	18	4	7	18	1	5	18	0	5
0.2a	-6	2	-29	-4	17	1	-10	10	2	-16	4	-1	-18	1	-3	-19	0	-3
0.1a	-2	1	-8	-22	13	-4	-48	7	-8	-61	3	-12	-65	1	-13	-67	0	-13
BOT.	0	0	0	-51	0	-10	-98	0	-20	-117	0	-23	-123	0	-25	-124	0	-25

Table 246 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	3	0	0	22	0	0	8	0	0	2	0	0	0	0	0	0	0
0.9a	-7	2	-35	18	20	7	28	8	9	32	2	7	32	0	7	32	0	7
0.8a	-12	2	-59	28	16	13	47	6	15	53	2	13	55	0	11	55	0	11
0.7a	-15	1	-75	33	10	16	58	4	19	66	1	16	67	0	14	67	0	14
0.6a	-16	0	-81	34	2	17	60	1	20	68	0	16	70	0	15	70	0	14
0.5a	-16	1	-78	31	5	16	55	2	19	61	1	15	62	0	13	63	0	13
0.4a	-14	1	-68	24	11	13	41	5	15	44	1	11	45	0	9	45	0	9
0.3a	-10	1	-50	12	15	9	18	6	8	18	1	5	18	0	4	18	0	4
0.2a	-6	2	-29	-6	15	3	-14	6	0	-19	1	-3	-20	0	-4	-20	0	-4
0.1a	-2	1	-8	-32	11	-5	-57	4	-11	-65	1	-13	-67	0	-13	-67	0	-13
BOT.	0	0	0	-70	0	-14	-112	0	-22	-123	0	-25	-125	0	-25	-125	0	-25

Table 247 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 4.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c 0.9c			0.2c 0.8c			0.3c 0.7c			0.4c 0.6c			0.5c		
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	3	0	0	24	0	0	22	0	0	14	0	0	7	0	0	0	0
0.9a	-7	2	-35	7	22	-1	18	20	7	24	13	9	27	6	9	28	0	9
0.8a	-12	2	-59	10	17	-3	28	16	13	40	10	16	46	5	17	48	0	16
0.7a	-15	1	-75	10	10	-6	33	10	16	48	6	21	56	3	21	58	0	21
0.6a	-16	0	-81	10	2	-7	34	2	17	50	1	23	58	1	23	61	0	22
0.5a	-16	1	-78	9	5	-7	31	5	16	45	3	21	53	2	21	55	0	21
0.4a	-14	1	-68	7	11	-6	24	11	14	35	7	18	40	4	17	42	0	16
0.3a	-10	1	-50	4	15	-4	12	15	9	17	10	11	18	5	10	19	0	9
0.2a	-6	2	-29	-2	16	-3	-5	15	3	-10	10	2	-13	4	1	-14	0	0
0.1a	-2	1	-8	-13	12	-3	-32	11	-5	-47	7	-8	-55	3	-10	-58	0	-11
BOT.	0	0	0	-29	0	-6	-70	0	-14	-97	0	-19	-111	0	-22	-115	0	-23

Table 248 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	4	0	0	22	0	0	8	0	0	2	0	0	0	0	0	0	0
0.9a	-7	3	-34	18	20	7	28	8	9	32	2	7	32	0	7	32	0	7
0.8a	-12	2	-58	28	16	13	48	6	15	53	2	13	55	0	11	55	0	11
0.7a	-15	1	-73	34	10	16	58	4	19	66	1	16	67	0	14	67	0	14
0.6a	-16	0	-79	34	2	17	60	1	20	68	0	16	70	0	15	70	0	15
0.5a	-15	1	-77	31	5	16	55	2	19	61	1	15	62	0	13	63	0	13
0.4a	-13	1	-67	24	11	14	41	5	15	44	1	11	45	0	9	45	0	9
0.3a	-10	2	-50	12	15	9	18	6	8	18	1	5	18	0	4	18	0	4
0.2a	-6	2	-29	-6	15	3	-14	5	0	-19	1	-3	-20	0	-4	-20	0	-4
0.1a	-2	1	-8	-32	11	-5	-58	4	-11	-66	1	-13	-67	0	-13	-67	0	-13
BOT.	0	0	0	-70	0	-14	-113	0	-23	-123	0	-25	-125	0	-25	-125	0	-25

Table 249 Moment Coefficients along Short side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 4.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	4	0	0	21	0	0	22	0	0	16	0	0	9	0	0	0	0
0.9a	-7	3	-34	4	19	-5	12	20	5	18	15	9	22	5	11	23	0	11
0.8a	-12	2	-58	4	14	-11	19	16	9	29	12	16	35	6	19	37	0	20
0.7a	-15	1	-73	4	8	-15	21	10	10	34	7	21	42	4	24	45	0	25
0.6a	-16	0	-79	3	2	-18	21	2	11	35	2	22	44	1	26	47	0	27
0.5a	-15	1	-77	2	4	-17	20	5	10	33	4	22	41	2	25	43	0	26
0.4a	-13	1	-67	2	9	-15	16	11	9	26	8	18	32	4	21	34	0	22
0.3a	-10	2	-50	1	13	-11	9	15	6	14	11	12	17	6	14	18	0	14
0.2a	-6	2	-29	-2	14	-7	-2	16	2	-4	12	5	-6	6	5	-7	0	4
0.1a	-2	1	-8	-8	11	-4	-21	12	-3	-33	8	-5	-41	4	-6	-44	0	-7
BOT.	0	0	0	-17	0	-3	-49	0	-10	-75	0	-15	-90	0	-18	-94	0	-19

Table 250 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b 0.9b			0.2b 0.8b			0.3b 0.7b			0.4b 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	7	0	0	21	0	0	8	0	0	2	0	0	0	0	0	0	0
0.9a	-6	6	-30	19	20	8	29	8	9	32	2	7	32	0	7	32	0	7
0.8a	-10	4	-52	30	15	13	48	6	15	53	1	12	55	0	11	55	0	11
0.7a	-13	2	-65	35	9	16	58	3	19	66	1	15	67	0	14	67	0	14
0.6a	-14	0	-70	36	2	18	61	1	20	68	0	16	70	0	15	70	0	14
0.5a	-14	2	-69	33	5	17	55	2	19	61	1	15	62	0	13	63	0	13
0.4a	-12	3	-60	25	11	14	41	4	15	45	1	11	45	0	9	45	0	9
0.3a	-9	4	-46	13	14	10	18	6	8	18	1	5	18	0	4	18	0	4
0.2a	-5	4	-27	-6	15	3	-15	5	0	-19	1	-3	-20	0	-4	-20	0	-4
0.1a	-2	3	-8	-33	10	-5	-58	3	-11	-66	1	-13	-67	0	-13	-67	0	-13
BOT.	0	0	0	-73	0	-15	-113	0	-23	-123	0	-25	-125	0	-25	-125	0	-25

Table 251 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 4.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	7	0	0	11	0	0	14	0	0	12	0	0	7	0	0	0	0
0.9a	-6	6	-30	0	10	-9	5	13	1	9	11	7	11	6	10	12	0	10
0.8a	-10	4	-52	-2	7	-18	6	10	1	13	9	12	16	5	17	18	0	18
0.7a	-13	2	-65	-4	4	-24	6	6	0	13	5	14	18	3	21	20	0	23
0.6a	-14	0	-70	-4	1	-27	5	2	0	13	2	15	18	1	23	20	0	26
0.5a	-14	2	-69	-4	1	-26	5	2	0	13	2	15	18	1	23	19	0	25
0.4a	-12	3	-60	-3	4	-23	5	6	0	12	5	14	16	3	20	17	0	22
0.3a	-9	4	-46	-2	6	-17	4	9	1	9	8	10	11	4	15	12	0	17
0.2a	-5	4	-27	-1	7	-10	1	10	0	2	9	6	2	5	8	2	0	9
0.1a	-2	3	-8	-2	6	-4	-7	9	-1	-12	7	-1	-15	4	-1	-17	0	-1
BOT.	0	0	0	-6	0	-1	-22	0	-4	-37	0	-7	-48	0	-10	-51	0	-10

Table 252 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	15	0	0	20	0	0	7	0	0	2	0	0	0	0	0	0	0
0.9a	-4	14	-22	20	19	8	29	7	8	32	2	7	32	0	7	32	0	7
0.8a	-7	11	-37	32	15	14	49	5	15	54	1	12	55	0	11	55	0	11
0.7a	-9	6	-45	38	9	18	60	3	18	66	1	15	67	0	14	68	0	14
0.6a	-10	1	-48	39	2	20	62	0	20	69	0	16	70	0	14	70	0	14
0.5a	-9	3	-47	36	5	19	56	2	18	61	1	14	62	0	13	63	0	13
0.4a	-8	7	-42	28	10	16	42	4	14	45	1	11	45	0	9	45	0	9
0.3a	-7	10	-33	14	14	10	18	5	8	18	1	5	18	0	4	18	0	4
0.2a	-4	10	-20	-7	14	3	-15	5	-1	-19	1	-3	-20	0	-4	-20	0	-4
0.1a	-1	7	-7	-37	10	-6	-59	3	-11	-66	1	-13	-67	0	-13	-68	0	-13
BOT.	0	0	0	-79	0	-16	-115	0	-23	-124	0	-25	-125	0	-25	-125	0	-25

Table 253 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 4.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	15	0	0	6	0	0	2	0	0	1	0	0	0	0	0	0	0
0.9a	-4	14	-22	-3	6	-12	-1	3	-6	0	1	-3	1	0	0	1	0	0
0.8a	-7	11	-37	-6	6	-23	-4	3	-13	-3	1	-6	-2	1	-2	-2	0	-1
0.7a	-9	6	-45	-8	4	-29	-7	2	-17	-6	1	-9	-5	1	-4	-5	0	-3
0.6a	-10	1	-48	-9	1	-32	-8	1	-19	-7	0	-11	-6	0	-5	-6	0	-4
0.5a	-9	3	-47	-8	2	-31	-7	1	-19	-6	1	-10	-6	0	-5	-5	0	-4
0.4a	-8	7	-42	-7	4	-27	-5	3	-16	-4	1	-8	-4	1	-3	-3	0	-2
0.3a	-7	10	-33	-4	6	-20	-3	3	-11	-1	2	-5	0	1	-1	0	0	0
0.2a	-4	10	-20	-1	5	-12	1	2	-6	2	1	-1	3	0	1	3	0	2
0.1a	-1	7	-7	1	3	-4	3	1	-1	4	0	1	5	0	2	5	0	2
BOT.	0	0	0	3	0	1	3	0	1	2	0	0	0	0	0	0	0	0

Table 254 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	2	0	0	24	0	0	15	0	0	6	0	0	0	0	0	0	0
0.9a	-7	2	-35	13	23	4	24	14	9	30	6	8	32	0	7	32	0	7
0.8a	-12	1	-60	20	18	7	40	11	16	50	5	14	53	0	13	54	0	12
0.7a	-15	1	-75	23	11	8	49	6	20	61	3	18	65	0	16	67	0	15
0.6a	-16	0	-81	23	2	8	50	1	21	63	0	19	68	0	17	69	0	16
0.5a	-16	0	-78	21	5	8	46	4	20	57	2	18	61	0	15	62	0	14
0.4a	-14	1	-68	16	12	7	35	8	17	42	3	14	44	0	11	45	0	10
0.3a	-10	1	-50	9	16	5	16	10	10	18	4	7	18	0	5	18	0	5
0.2a	-6	1	-29	-4	17	1	-10	10	2	-16	4	-1	-18	0	-3	-19	0	-3
0.1a	-2	1	-8	-22	12	-4	-48	7	-8	-61	3	-12	-65	0	-13	-67	0	-13
BOT.	0	0	0	-51	0	-10	-98	0	-20	-117	0	-23	-123	0	-25	-124	0	-25

Table 255 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 3.0, *c/a* = 2.0

(*Table 1, Clause* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	2	0	0	24	0	0	22	0	0	14	0	0	7	0	0	0	0
0.9a	-7	2	-35	7	22	-1	18	20	7	24	13	9	27	6	9	28	0	9
0.8a	-12	1	-60	10	17	-3	28	16	13	40	10	16	46	5	17	48	0	16
0.7a	-15	1	-75	10	10	-6	33	10	16	48	6	21	56	3	21	58	0	21
0.6a	-16	0	-81	10	2	-7	34	2	17	50	1	23	58	1	23	61	0	22
0.5a	-16	0	-78	9	5	-7	31	5	16	45	3	21	53	2	21	55	0	21
0.4a	-14	1	-68	7	11	-6	24	11	14	35	7	18	40	4	17	42	0	16
0.3a	-10	1	-50	4	15	-4	12	15	9	17	10	11	18	5	10	19	0	9
0.2a	-6	1	-29	-2	16	-3	-5	15	3	-10	10	2	-13	4	1	-14	0	0
0.1a	-2	1	-8	-13	12	-3	-32	11	-5	-47	7	-8	-55	3	-10	-58	0	-11
BOT.	0	0	0	-29	0	-6	-70	0	-14	-97	0	-19	-111	0	-22	-115	0	-23

Table 256 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	3	0	0	24	0	0	15	0	0	6	0	0	2	0	0	0	0
0.9a	-7	2	-34	13	23	5	25	14	9	30	6	8	32	2	7	32	0	7
0.8a	-12	2	-58	20	18	7	40	11	16	50	5	14	53	1	13	54	0	12
0.7a	-15	1	-72	23	11	8	49	6	20	61	3	18	65	1	16	67	0	15
0.6a	-16	0	-80	23	2	9	51	1	21	63	0	19	68	0	17	69	0	16
0.5a	-15	1	-77	21	5	8	46	4	20	57	2	18	61	1	15	62	0	14
0.4a	-13	1	-68	17	12	7	35	8	17	42	3	14	44	1	11	45	0	10
0.3a	-10	2	-50	9	16	5	16	10	10	18	4	7	18	1	5	18	0	4
0.2a	-6	2	-29	-4	17	1	-10	10	2	-16	4	-1	-18	1	-3	-19	0	-3
0.1a	-2	1	-8	-23	12	-4	-48	7	-8	-61	3	-12	-65	1	-13	-67	0	-13
BOT.	0	0	0	-51	0	-10	-98	0	-20	-117	0	-23	-123	0	-25	-124	0	-25

Table 257 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 3.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	3	0	0	21	0	0	22	0	0	16	0	0	9	0	0	0	0
0.9a	-7	2	-34	4	18	-5	12	20	5	18	15	9	22	8	11	23	0	11
0.8a	-12	2	-58	4	14	-11	19	16	9	29	12	16	35	6	19	37	0	20
0.7a	-15	1	-73	4	8	-15	21	10	10	34	7	21	42	4	24	45	0	25
0.6a	-16	0	-80	3	2	-18	21	2	11	35	2	22	44	1	26	47	0	27
0.5a	-15	1	-77	2	4	-18	20	5	10	33	4	22	41	2	25	43	0	26
0.4a	-13	1	-67	2	9	-15	16	11	9	26	8	18	32	4	21	34	0	22
0.3a	-10	2	-50	1	13	-11	9	15	6	14	11	12	17	6	14	18	0	14
0.2a	-6	2	-29	-2	14	-7	-2	16	2	-4	12	5	-6	6	5	-7	0	4
0.1a	-2	1	-8	-8	11	-4	-21	12	-3	-33	8	-5	-41	4	-6	-44	0	-7
BOT.	0	0	0	-17	0	-3	-49	0	-10	-75	0	-15	-90	0	-18	-94	0	-19

Table 258 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	6	0	0	24	0	0	14	0	0	6	0	0	2	0	0	0	0
0.9a	-6	5	-31	14	22	5	25	13	9	30	6	8	32	2	7	32	0	7
0.8a	-10	4	-52	21	17	8	41	10	16	50	4	14	53	1	13	54	0	12
0.7a	-13	2	-65	25	10	10	50	6	20	61	2	18	66	1	16	67	0	15
0.6a	-14	0	-71	25	2	10	52	1	21	64	0	19	68	0	16	69	0	16
0.5a	-14	2	-69	23	5	10	47	4	20	58	2	18	61	1	15	62	0	14
0.4a	-12	3	-60	18	12	8	35	7	17	42	3	14	45	1	11	45	0	10
0.3a	-9	4	-46	9	16	6	17	10	10	18	4	7	18	1	5	18	0	4
0.2a	-5	4	-27	-4	17	2	-11	9	2	-16	4	-1	-19	1	-3	-19	0	-3
0.1a	-2	3	-8	-24	12	-4	-49	6	-9	-61	2	-12	-66	1	-13	-67	0	-13
BOT.	0	0	0	-54	0	-11	-99	0	-20	-117	0	-23	-123	0	-25	-125	0	-25

Table 259 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 3.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	6	0	0	11	0	0	14	0	0	12	0	0	7	0	0	0	0
0.9a	-6	5	-31	0	10	-9	5	13	1	9	11	7	11	6	10	12	0	10
0.8a	-10	4	-52	-2	7	-18	6	10	1	13	9	11	16	5	17	18	0	18
0.7a	-13	2	-65	-4	4	-24	6	6	0	13	5	14	18	3	21	20	0	23
0.6a	-14	0	-71	-4	1	-27	5	2	0	13	2	15	18	1	23	20	0	26
0.5a	-14	2	-69	-4	1	-26	5	2	0	13	2	15	18	1	23	19	0	25
0.4a	-12	3	-60	-3	4	-23	5	6	0	12	5	14	16	3	20	17	0	22
0.3a	-9	4	-46	-2	6	-17	4	9	1	9	8	10	11	4	15	12	0	17
0.2a	-5	4	-27	-1	7	-10	1	10	0	2	9	6	2	5	8	2	0	9
0.1a	-2	3	-8	-2	6	-4	-7	9	-1	-12	7	-1	-15	4	-1	-17	0	-1
BOT.	0	0	0	-6	0	-1	-22	0	-4	-37	0	-7	-48	0	-10	-51	0	-10

Table 260 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	15	0	0	24	0	0	13	0	0	5	0	0	2	0	0	0	0
0.9a	-4	13	-22	16	22	7	26	12	9	30	5	8	32	2	7	32	0	7
0.8a	-7	10	-37	25	17	11	43	9	16	51	4	14	54	1	12	54	0	12
0.7a	-9	6	-45	29	10	14	52	6	20	62	2	18	66	1	15	68	0	15
0.6a	-10	1	-48	29	2	14	54	1	22	65	0	19	68	0	16	69	0	15
0.5a	-9	3	-47	27	5	14	49	3	20	58	2	17	61	1	15	62	0	14
0.4a	-8	7	-42	21	12	12	37	7	16	43	3	13	45	1	11	45	0	10
0.3a	-7	10	-33	11	16	8	17	9	10	18	4	7	18	1	5	18	0	4
0.2a	-4	10	-20	-5	16	3	-12	9	1	-17	3	-2	-19	1	-3	-19	0	-4
0.1a	-1	7	-7	-28	12	-4	-51	6	-9	-62	2	-12	-66	1	-13	-67	0	-13
BOT.	0	0	0	-62	0	-12	-103	0	-21	-119	0	-21	-124	0	-25	-125	0	-25

Table 261 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 3.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	15	0	0	6	0	0	2	0	0	1	0	0	0	0	0	0	0
0.9a	-4	13	-22	-3	6	-12	-1	3	-6	0	1	-3	1	0	0	1	0	0
0.8a	-7	10	-37	-6	6	-23	-4	3	-13	-3	1	-6	-2	1	-2	-2	0	-1
0.7a	-9	6	-45	-8	4	-29	-7	2	-17	-6	1	-9	-5	1	-4	-5	0	-3
0.6a	-10	1	-48	-9	1	-32	-8	1	-19	-7	0	-11	-6	0	-6	-6	0	-4
0.5a	-9	3	-47	-8	2	-31	-7	1	-19	-6	1	-10	-6	0	-5	-5	0	-4
0.4a	-8	7	-42	-7	4	-27	-5	3	-16	-4	1	-8	-4	1	-4	-3	0	-2
0.3a	-7	10	-33	-4	6	-20	-3	3	-11	-1	2	-5	0	1	-1	0	0	0
0.2a	-4	10	-20	-1	5	-12	1	2	-6	2	1	-1	3	0	1	3	0	2
0.1a	-1	7	-7	1	3	-4	3	1	-1	4	0	1	5	0	2	5	0	2
BOT.	0	0	0	3	0	1	3	0	1	2	0	0	0	0	0	0	0	0

Table 262 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	2	0	0	24	0	0	21	0	0	14	0	0	6	0	0	0	0
0.9a	-7	2	-34	8	22	-1	18	20	8	24	13	9	27	6	9	28	0	9
0.8a	-12	1	-58	10	17	-3	28	16	13	40	10	16	46	5	17	48	0	16
0.7a	-15	1	-73	11	10	-5	33	9	16	48	6	21	56	3	21	58	0	21
0.6a	-16	0	-79	10	2	-7	34	2	17	50	1	23	58	1	22	61	0	22
0.5a	-15	0	-77	9	5	-7	31	5	17	46	3	21	53	2	21	55	0	21
0.4a	-13	1	-67	7	11	-6	24	11	14	35	7	18	40	3	17	42	0	16
0.3a	-10	1	-50	4	16	-4	13	15	9	17	9	11	18	4	10	19	0	9
0.2a	-6	1	-29	-3	17	-3	-5	15	3	-10	9	2	-13	4	1	-14	0	0
0.1a	-2	1	-8	-13	13	-3	-32	11	-5	-47	6	-8	-56	3	-10	-58	0	-11
BOT.	0	0	0	-29	0	-6	-70	0	-14	-7	0	-19	-111	0	-22	-115	0	-23

Table 263 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 2.0, *c/a* = 1.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	2	0	0	21	0	0	22	0	0	16	0	0	9	0	0	0	0
0.9a	-7	2	-34	4	19	-5	12	20	5	18	15	9	22	8	11	23	0	11
0.8a	-12	1	-58	4	14	-11	19	16	9	29	12	16	35	6	19	38	0	20
0.7a	-15	1	-73	4	8	-15	21	10	10	34	7	21	42	4	24	45	0	25
0.6a	-16	0	-79	3	2	-18	21	2	11	35	2	22	44	1	26	47	0	27
0.5a	-15	0	-77	2	4	-17	20	5	10	33	4	22	41	2	25	43	0	26
0.4a	-13	1	-67	2	9	-15	16	11	9	26	8	18	32	4	21	34	0	22
0.3a	-10	1	-50	1	13	-11	9	15	6	14	11	12	17	6	14	18	0	14
0.2a	-6	1	-29	-2	14	-7	-2	16	2	-4	12	5	-6	6	5	-7	0	4
0.1a	-2	1	-8	-8	11	-4	-21	12	-3	-33	8	-5	-41	4	-6	-44	0	-7
BOT.	0	0	0	-17	0	-3	-49	0	-10	-75	0	-12	-90	0	-18	-94	0	-19

Table 264 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	6	0	0	25	0	0	21	0	0	13	0	0	6	0	0	0	0
0.9a	-6	5	-31	8	23	0	18	19	8	25	12	9	28	6	9	29	0	9
0.8a	-10	4	-52	12	17	-1	29	15	13	40	10	16	46	4	16	48	0	16
0.7a	-13	2	-65	13	10	-3	35	9	17	49	6	21	57	3	21	59	0	20
0.6a	-14	0	-70	12	2	-4	36	2	18	51	1	23	59	1	22	62	0	22
0.5a	-14	1	-69	11	5	-4	32	5	17	46	3	21	54	2	21	56	0	20
0.4a	-12	3	-60	9	12	-3	25	11	15	35	7	17	40	3	17	42	0	16
0.3a	-9	4	-46	4	16	-2	13	14	10	17	9	11	18	4	10	19	0	9
0.2a	-5	3	-27	-3	17	-2	-6	15	3	-10	9	2	-13	4	1	-14	0	0
0.1a	-2	2	-8	-14	13	-3	-33	10	-5	-48	6	-8	-56	3	-10	-59	0	-11
BOT.	0	0	0	-32	0	-6	-73	0	-15	-99	0	-20	-112	0	-22	-115	0	-23

Table 265 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 2.0, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	6	0	0	11	0	0	14	0	0	12	0	0	7	0	0	0	0
0.9a	-6	5	-31	0	10	-9	5	13	1	9	11	7	11	6	10	12	0	10
0.8a	-10	4	-52	-2	7	-18	6	10	1	13	9	12	16	5	17	18	0	18
0.7a	-13	2	-65	-4	4	-24	6	6	0	13	5	14	18	3	21	20	0	23
0.6a	-14	0	-70	-4	1	-27	5	2	0	13	2	15	18	1	23	20	0	26
0.5a	-14	1	-69	-4	1	-26	5	2	0	13	2	15	18	1	23	19	0	25
0.4a	-12	3	-60	-3	4	-23	5	6	0	12	5	14	16	3	20	17	0	22
0.3a	-9	4	-46	-2	6	-17	4	9	1	9	8	10	11	4	15	12	0	17
0.2a	-5	3	-27	-1	7	-10	1	10	0	2	9	6	2	5	8	2	0	9
0.1a	-2	2	-8	-2	6	-4	-7	9	-1	-12	7	-1	-15	4	-1	-17	0	-1
BOT.	0	0	0	-6	0	-1	-22	0	-4	-37	0	-7	-48	0	-10	-51	0	-10

Table 266 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for b/a = 2.0, c/a = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	14	0	0	26	0	0	20	0	0	12	0	0	5	0	0	0	0
0.9a	-4	13	-22	10	24	3	20	18	9	25	11	9	28	5	9	29	0	9
0.8a	-7	10	-37	15	18	4	32	15	15	42	9	16	48	4	16	49	0	16
0.7a	-9	6	-45	17	11	4	38	9	19	51	5	21	58	2	20	60	0	20
0.6a	-10	1	-48	17	2	4	39	2	20	53	1	23	61	0	22	63	0	21
0.5a	-9	3	-47	16	5	4	36	5	19	49	3	21	55	1	20	57	0	19
0.4a	-8	7	-42	12	12	3	28	10	16	37	6	17	41	3	16	42	0	15
0.3a	-7	10	-33	6	17	2	14	14	11	17	8	11	18	4	9	-19	0	8
0.2a	-4	10	-20	-3	18	0	-7	14	3	-11	8	2	-14	4	0	-15	0	-1
0.1a	-1	7	-7	-17	13	-3	-37	10	-6	-50	5	-9	-58	2	-11	-60	0	-11
BOT.	0	0	0	-40	0	-8	-79	0	-16	-102	0	-20	-114	0	-23	-117	0	-23

Table 267 Moment Coefficients along Short Side for Rectangular Tanks Having Case 8 Arrangements for *b/a* = 2.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	14	0	0	6	0	0	2	0	0	1	0	0	0	0	0	0	0
0.9a	-4	13	-22	-3	6	-12	-1	3	-6	0	1	-3	1	0	0	1	0	0
0.8a	-7	10	-37	-6	6	-23	-4	3	-13	-3	1	-6	-2	1	-2	-2	0	-1
0.7a	-9	9	-45	-8	4	-29	-7	2	-17	-6	1	-6	-5	1	-4	-5	0	-3
0.6a	-10	1	-48	-9	1	-32	-8	1	-19	-7	0	-11	-6	0	-5	-6	0	-4
0.5a	-9	3	-47	-8	2	-31	-7	1	-19	-6	1	-10	-6	0	-5	-5	0	-4
0.4a	-8	7	-42	-7	4	-27	-5	3	-16	-4	1	-8	-4	1	-4	-3	0	-2
0.3a	-7	10	-33	-4	6	-20	-3	3	-11	-1	2	-5	0	1	-1	0	0	0
0.2a	-4	10	-20	-1	5	-12	1	2	-6	2	1	-1	3	0	1	3	0	2
0.1a	-1	7	-7	1	3	-4	3	1	-1	4	0	1	5	0	2	5	0	2
BOT.	0	0	0	3	0	1	3	0	1	2	0	0	0	0	0	0	0	0

Table 268 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	5	0	0	22	0	0	22	0	0	16	0	0	8	0	0	0	0
0.9a	-6	4	-30	5	20	-4	13	20	6	19	15	9	22	7	11	23	0	11
0.8a	-10	3	-51	6	15	-8	20	16	10	30	12	17	36	6	19	38	0	19
0.7a	-13	2	-64	6	9	-11	23	10	12	36	7	21	44	4	24	46	0	25
0.6a	-14	0	-69	5	2	-13	24	2	12	37	2	23	45	1	26	48	0	27
0.5a	-14	1	-68	5	4	-13	22	5	12	34	3	22	42	2	25	44	0	26
0.4a	-12	2	-59	4	10	-11	17	11	10	27	8	18	33	4	21	35	0	21
0.3a	-9	3	-45	2	14	-8	10	15	7	15	11	13	17	6	14	18	0	14
0.2a	-5	3	-27	-2	15	-5	-3	15	3	-5	11	5	-7	6	4	-8	0	4
0.1a	-2	2	-8	-9	12	-3	-22	11	-3	-34	8	-5	-42	4	-7	-48	0	-7
BOT.	0	0	0	-20	0	-4	-53	0	-11	-77	0	-15	-92	0	-18	-96	0	-19

Table 269 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 1.5, *c/a* = 1.0

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	5	0	0	11	0	0	15	0	0	12	0	0	7	0	0	0	0
0.9a	-6	4	-30	0	10	9	6	13	1	9	11	7	12	6	10	12	0	10
0.8a	-10	3	-51	-2	7	-17	6	10	1	13	9	12	17	5	17	18	0	18
0.7a	-13	2	-64	-3	4	-23	6	6	1	14	5	14	18	3	21	20	0	24
0.6a	-14	0	-69	-4	1	-26	6	2	0	13	2	16	19	1	24	20	0	26
0.5a	-14	1	-68	-4	1	-26	5	2	0	13	2	15	18	1	23	20	0	26
0.4a	-12	2	-59	-3	4	-22	5	6	1	12	5	14	16	3	20	17	0	22
0.3a	-9	3	-45	-2	6	-16	4	9	1	9	8	10	12	4	15	12	0	17
0.2a	-5	3	-27	-1	8	-10	1	10	0	2	9	6	2	5	8	2	0	9
0.1a	-2	2	-8	-3	7	-4	-7	9	-1	-12	7	-1	-16	4	-1	-17	0	-1
BOT.	0	0	0	-6	0	-1	-22	0	-4	-38	0	-8	-48	0	-10	-52	0	-10

Table 270 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b 0.9b			0.2b 0.8b			0.3b 0.7b			0.4b 0.6b			0.5b		
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	13	0	0	24	0	0	22	0	0	15	0	0	7	0	0	0	0
0.9a	-4	12	-22	7	22	0	15	20	7	20	14	10	23	7	11	24	0	11
0.8a	-7	10	-36	10	17	-1	23	16	12	33	11	17	39	5	19	40	0	19
0.7a	-9	6	-44	11	10	-3	27	9	15	40	7	22	47	3	24	49	0	24
0.6a	-9	1	-47	11	2	-3	28	2	16	41	2	24	49	1	26	51	0	26
0.5a	-9	3	-46	10	5	-4	26	5	16	38	3	23	45	2	25	47	0	25
0.4a	-8	7	-41	8	11	-3	21	11	13	30	8	19	35	4	20	36	0	21
0.3a	-6	9	-32	4	16	-2	11	15	9	16	10	13	18	5	13	18	0	13
0.2a	-4	9	-20	-2	17	-2	-4	15	4	-6	11	4	-8	5	4	-9	0	3
0.1a	-1	7	-7	-12	13	-3	-26	11	-4	-38	7	-6	-46	4	-7	-48	0	-8
BOT.	0	0	0	-28	0	-6	-61	0	-12	-84	0	-17	-97	0	-19	-101	0	-20

Table 271 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 1.5, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	13	0	0	6	0	0	2	0	0	0	0	0	0	0	0	0	0
0.9a	-4	12	-22	-3	6	-12	-1	3	-6	0	1	-2	1	0	0	1	0	0
0.8a	-7	10	-36	-6	6	-22	-4	3	-12	-3	1	-6	-2	0	-2	-2	0	-1
0.7a	-9	6	-44	-8	4	-28	-6	2	-17	-5	1	-9	-5	0	-4	-4	0	-2
0.6a	-9	1	-47	-8	1	-31	-7	1	-19	-6	0	-10	-6	0	-5	-6	0	-3
0.5a	-9	3	-46	-8	2	-30	-7	1	-18	-6	1	-10	-5	0	-5	-5	0	-3
0.4a	-8	7	-41	-7	4	-26	-5	3	-15	-4	1	-8	-3	1	-3	-3	0	-2
0.3a	-6	9	-32	-4	5	-20	-3	3	-11	-1	1	-4	0	1	-1	0	0	0
0.2a	-4	9	-20	-1	5	-12	1	2	-5	2	1	-1	3	0	1	3	0	2
0.1a	-1	7	-7	1	3	-4	3	1	-1	4	0	1	5	0	2	5	0	2
BOT.	0	0	0	3	0	1	3	0	1	1	0	0	0	0	0	0	0	0

Table 272 Moment Coefficients along Long Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1b			0.2b			0.3b			0.4b			0.5b		
				0.9b			0.8b			0.7b			0.6b					
	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}	M_{xc}	M_{xyc}	M_{yc}
TOP	0	10	0	0	18	0	0	17	0	0	13	0	0	7	0	0	0	0
0.9a	-4	9	-19	3	16	-3	8	16	5	12	12	9	14	6	11	15	0	11
0.8a	-6	7	-31	3	12	-6	12	12	8	18	9	15	22	5	19	23	0	20
0.7a	-8	4	-38	3	7	-8	13	7	9	21	6	19	25	3	24	27	0	26
0.6a	-8	1	-40	3	2	-9	13	2	10	21	2	21	26	1	26	28	0	28
0.5a	-8	2	-40	3	3	-9	13	3	10	20	2	20	25	1	26	26	0	28
0.4a	-7	5	-36	2	7	-8	11	8	9	17	6	18	21	3	23	22	0	24
0.3a	-6	7	-29	1	11	-6	7	11	6	11	9	13	14	5	16	14	0	17
0.2a	-4	7	-19	-1	12	-4	0	12	3	0	9	7	0	5	8	0	0	8
0.1a	-1	5	-7	-6	10	-3	-12	10	-1	-19	7	-1	-23	4	-2	-24	0	-2
BOT.	0	0	0	-15	0	-3	-35	0	-7	-51	0	-10	-61	0	-12	-64	0	-13

Table 273 Moment Coefficients along Short Side for Rectangular Tanks having Case 8 Arrangements for *b/a* = 1.0, *c/a* = 0.5

(*Table* 1, *Clauses* 3.1 *and* 3.1.4)

Moment Coefficients	Corner			0.1c			0.2c			0.3c			0.4c			0.5c		
				0.9c			0.8c			0.7c			0.6c					
	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}	M_{zc}	M_{yzc}	M_{yc}
TOP	0	10	0	0	3	0	0	0	0	0	1	0	0	1	0	0	0	0
0.9a	-4	9	-19	-2	4	-10	0	1	-4	1	0	-1	2	0	1	2	0	2
0.8a	-6	7	-31	-4	4	-18	-3	2	-9	-1	1	-3	0	0	0	0	0	2
0.7a	-8	4	-38	-6	3	-23	-4	1	-12	-3	1	-5	-3	0	-1	-2	0	1
0.6a	-8	1	-40	-7	1	-25	-5	0	-14	-4	0	-6	-4	0	-1	-3	0	0
0.5a	-8	2	-40	-6	1	-25	-5	1	-14	-4	0	-6	-3	0	-1	-3	0	0
0.4a	-7	5	-36	-6	3	-22	-4	2	-12	-3	1	-4	-2	0	0	-2	0	1
0.3a	-6	7	-29	-4	4	-17	-2	2	-8	0	1	-2	0	0	1	1	0	2
0.2a	-4	7	-19	-1	3	-10	1	1	-4	2	0	0	3	0	2	3	0	3
0.1a	-1	5	-7	1	1	-3	2	0	-1	3	1	1	4	1	2	4	0	2
BOT.	0	0	0	2	0	0	0	0	0	-1	0	0	-3	0	-1	-4	0	-1

ANNEX A

(*Foreword*)

COMMITTEE COMPOSITION

Cement and Concrete Sectional Committee, CED 02

Organization	*Representative(s)*
In Personal Capacity (*Grace Villa, Kadamankulam P.O., Thiruvalla 689583*)	Shri Jose Kurian (***Chairman***)
ACC Ltd, Mumbai	Shri Rajesh J. Modi Dr Manish V. Karandikar (*Alternate*)
Ambuja Cements Limited, Ahmedabad	Shri Umesh P. Soni Shri Sukuru Ramarao (*Alternate*)
Atomic Energy Regulatory Board, Mumbai	Shri L. R. Bishnoi Shri Sourav Acharya (*Alternate*)
Builders' Association of India, Mumbai	Shri Sushanta Kumar Basu Shri D. R. Sekor (*Alternate*)
Building Materials & Technology Promotion Council, New Delhi	Shri C. N. Jha
Cement Manufacturers' Association, Noida	Dr V. Ramachandra Ms Shashwati Ghose (*Alternate*)
Central Public Works Department, New Delhi	Shri D. K. Garg Shri Naveen Kumar Bansal (*Alternate*)
Central Soil and Materials Research Station, New Delhi	Director Shri U. S. Vidyarthi (*Alternate*)
Central Water Commission, New Delhi	Director (CMDD) (N&W) Deputy Director (CMDD) (NW&S) (*Alternate*)
Conmat Technolgies Pvt Ltd, Kolkata	Dr A. K. Chatterjee Dr Subrato Chowdhury (*Alternate*)
Construction Chemical Manufacturers' Association, Mumbai	Shri Samir Surlaker Shri Nilotpol Kar (*Alternate*)
CSIR – Central Building Research Institute, Roorkee	Shri S. K. Singh Shri Subhash Gurram (*Alternate*)
CSIR – Central Road Research Institute, New Delhi	Dr Rakesh Kumar Dr V. V. L. Kanta Rao (*Alternate*)
CSIR – Structural Engineering Research Centre, Chennai	Dr K. Ramanjaneyulu Dr P. Srinivasan (*Alternate*)
Delhi Development Authority, New Delhi	Shri Laxman Singh Shri Vijay Shankar (*Alternate*)
Department of Science and Technology, Ministry of Science and Technology, New Delhi	Shri S. S. Kohli
Engineers India Limited, New Delhi	Shri Rajanji Srivastava Shri Anurag Sinha (*Alternate*)
Gammon India Limited, Mumbai	Shri Shriram B. Kulkarni Shri Rahul Biradar (*Alternate*)
Hindustan Construction Company Limited, Mumbai	Shri Satish Kumar Sharma Shri Mukesh Valecha (*Alternate*)

Organization	*Representative(s)*
Housing and Urban Development Corporation Limited, New Delhi	Representative
Indian Association of Structural Engineers, New Delhi	Shri Mahesh Tandon Shri Ganesh Juneja (*Alternate*)
Indian Concrete Institute, Chennai	Shri Vivek Naik Secretary General (*Alternate*)
Indian Institute of Technology Delhi, New Delhi	Dr Shashank Bishnoi Dr Dipti Ranjan Sahoo (*Alternate*)
Indian Institute of Technology Madras, Chennai	Dr Devdas Menon Dr Manu Santhanam (*Alternate*)
Indian Institute of Technology Roorkee, Roorkee	Dr V. K. Gupta Dr Bhupinder Singh (*Alternate*)
Indian Roads Congress, New Delhi	Shri S. K. Nirmal Shri R. V. Patil (*Alternate*)
Military Engineer Services, Engineer-in-Chief's Branch, Army HQ, New Delhi	Maj Gen S. K. Srivastav Shri Man Singh (*Alternate*)
Ministry of Road Transport and Highways, New Delhi	Shri Y. Balakrishna Shri Sanjeev Kumar (*Alternate*)
National Council for Cement and Building Materials, Ballabgarh	Shri V. V. Arora Dr S. K. Chaturvedi (*Alternate*)
National Test House, Kolkata	Shri D. V. S. Prasad Dr Somit Neogi (*Alternate*)
Nuclear Power Corporation of India Ltd, Mumbai	Shri Arvind Shrivastava Shri Raghupati Roy (*Alternate*)
Nuvoco Vistas Corporation Limited, Mumbai	Shri Pranav Desai Shri Ravindra Khamparia (*Alternate*)
Public Works Department, Govt of Tamil Nadu, Chennai	Superintending Engineer Executive Engineer (*Alternate*)
The India Cements Limited, Chennai	Representative
The Indian Hume Pipe Company Limited, Mumbai	Shri P. R. Bhat Shri S. J. Shah (*Alternate*)
The Institution of Engineers (India), Kolkata	Dr H. C. Visvesvaraya Shri S. H. Jain (*Alternate*)
The Ramco Cements Limited, Chennai	Shri Balaji K. Moorthy Shri Anil Kumar Pillai (*Alternate*)
Ultra Tech Cement Ltd, Mumbai	Shri Surya Valluri Dr M. R. Kalgal (*Alternate*)
Voluntary Organization in Interest of Consumer Education, New Delhi	Shri M. A. U. Khan Shri B. Mukhopadhyay (*Alternate*)
In personal capacity [*B-803, Oberoi Exquisite, Oberoi Garden City, Goregaon (East), Mumbai*]	Shri A. K. Jain
In personal capacity (*36, Old Sneh Nagar, Wardha Road, Nagpur*)	Shri L. K. Jain
In personal capacity (*EA-92, Maya Enclave, Hari Nagar, New Delhi*)	Shri R. C. Wason

Organization	*Representative(s)*
BIS Directorate General	Shri Sanjay Pant, Scientist 'F' and Head (Civil Engineering) [Representing Director General (*Ex-officio*)]

Member Secretaries

Shri S. Arun Kumar
Scientist 'E' (Civil Engineering), BIS

and

Shri Milind Gupta
Scientist 'C' (Civil Engineering), BIS

Concrete Subcommittee, CED 2:2

Organization	*Representative(s)*
In personal capacity (*Grace Villa, Kadamankulam P.O., Thiruvalla 689583*)	Shri Jose Kurian (***Convener***)
ACC Limited, Mumbai	Shri Prahlad Mujumdar Shri Anil Kulkarni (*Alternate*)
Ambuja Cement Limited, Ahmedabad	Shri Umesh P. Soni Shir Sukuru Ramarao (*Alternate*)
AFCONS Infrastructure Limited, Mumbai	Shri Manish Mokal
Association of Consulting Civil Engineers (India), Bengaluru	Shri Avinash D. Shirode Shri K. K. Meghashyam (*Alternate*)
Atomic Energy Regulatory Board, Mumbai	Shri L. R. Bishnoi Shri Sourav Acharya (*Alternate*)
Building Materials and Technology Promotion Council, New Delhi	Shri Pankaj Gupta
Bureau of Design for Hydel and Irrigation Project, Bhopal	Shri S. K. Khare Shri Bhagwati Prasad Gupta (*Alternate*)
Bureau Veritas India Ltd, Mumbai	Representative
Central Public Works Department, New Delhi	Shri D. K. Garg Shri Rajesh Khare (*Alternate*)
Central Soil and Materials Research Station, New Delhi	Shri Rajeev Kumar Shri Raj Kumar (*Alternate*)
Creative Design Consultants Engineers Pvt Ltd, Ghaziabad	Shri Aman Deep Garg Shri Manik Chatterjee (*Alternate*)
CSIR – Central Building Research Institute, Roorkee	Dr Rajesh Deolia Shri H. C. Arora (*Alternate*)
CSIR – Central Road Research Institute, New Delhi	Shri J. B. Sengupta Shri Satish Pandey (*Alternate*)
CSIR – Structural Engineering Research Centre, Chennai	Dr B. H. Bharathkumar Dr P. Srinivasan (*Alternate*)

Organization	*Representative(s)*
Department of Science and Technology Ministry of Science and Technology, New Delhi	Shri S. S. Kohli
Elkem South Asia Pvt Ltd, Navi Mumbai	Shri Brajesh Malviya Shri Surendra Sharma (*Alternate*)
Engineers India Limited, New Delhi	Shri Rajanji Srivastava Shri Anurag Sinha (*Alternate*)
Gammon India Limited, Mumbai	Shri Sudeesh Rajendran
Hindustan Construction Company Ltd, Mumbai	Shri Satish Kumar Sharma Shri Khatarbatcha Jimmetain (*Alternate*)
Indian Concrete Institute, Chennai	Shri K. C. Tayade Secretary General (*Alternate*)
Indian Institute of Technology Delhi, New Delhi	Dr B. Bhattacharjee Dr Shashank Bishnoi (*Alternate*)
Indian Institute of Technology Kanpur, Kanpur	Dr Sudhir Mishra
Indian Institute of Technology Madras, Chennai	Dr Manu Santhanam Dr Radhakrishna G. Pillai (*Alternate*)
Indian Institute of Technology Roorkee, Roorkee	Representative
Indian Society of Structural Engineers, Mumbai	Shri Umesh Joshi Shri Hemant Vadalkar (*Alternate*)
Irrigation and Power Research Institute, Amritsar	Chief Engineer (Research) Research Officer (*Alternate*)
Larsen and Toubro Limited, ECC Division, Chennai	Dr B. Sivarama Sarma Shri S. Manohar (*Alternate*)
Military Engineer Services, Engineer-in- Chief's Branch, Integrated HQ of MoD (Army), New Delhi	Maj Gen S. K. Srivastav Shri Man Singh (*Alternate*)
Ministry of Road Transport and Highways, New Delhi	Shri A. P. Pathak Shri A. K. Pandey (*Alternate*)
NBCC (India) Limited, New Delhi	Shri H. S. Yadav Shri Arun Kumar Sharma (*Alternate*)
National Council for Cement & Building Materials, Ballabgarh	Shri V. V. Arora Shri P. N. Ojha (*Alternate*)
National Institute of Technology Warangal, Warangal	Dr C. B. Kameswara Rao Dr D. Rama Seshu (*Alternate*)
Nuclear Power Corporation of India Limited, Mumbai	Shri Arvind Shrivastava Shri N. M. Rao (*Alternate*)
Oberoi Reality Limited, Mumbai	Shri R. Guru Shankar
Pidilite Industries Limited, Mumbai	Dr Suguna Naik
Ready Mixed Concrete Manufacturers' Association, Mumbai	Shri Vijaykumar R. Kulkarni Shri Srirang Sondur (*Alternate*)
Research, Design & Standards Organisation (Ministry of Railways), Lucknow	Jt Director Stdrs (B&S)/CB-I Jt Director Stdrs (B&S)/CB-II (*Alternate*)
RDC Concrete (India) Pvt Ltd, Thane	Shri Anil Banchhor Shri Simranjit Singh (*Alternate*)
Shapoorji Pallonji and company private limited, Mumbai	Shri Girish Bonde Shri D. N. Vishwanath (*Alternate*)
Tandon Consultants Pvt Limited, New Delhi	Shri Mahesh Tandon Shri Vinay Gupta (*Alternate*)

Organization	*Representative(s)*
Tata Consulting Engineers Limited, Mumbai	Shri S. N. Diwakar Shri Manos Kumar De (*Alternate*)
Ultra Tech Cement Ltd, Mumbai	Dr V. Ramachandra Dr A. K. Singh (*Alternate*)
Water Resource Department, Govt. of Madhya Pradesh, Mumbai	Shri S. K. Khare Shri B. P. Gupta (*Alternate*)
In personal capacity (*452 Sector 14, Sonipat, Haryana*)	Shri R. K. Jain
In personal capacity (*36, Old Sneh Nagar, Wardha Road, Nagpur*)	Shri L. K. Jain
In personal capacity [*B-803, Oberoi Exquisite, Oberoi Garden City, Goregaon (East), Mumbai*]	Shri A. K. Jain
In personal capacity (*EA-92, Maya Enclave, Hari Nagar, New Delhi*)	Shri R. C. Wason
In personal capacity (*M1 F1 VGN Minerva Apartments, Guruswamy Road, Nolambur*, *Chennai*)	Dr C. Rajkumar

Panel for Review/Revision of IS 3370, CED 2:2/P1

Organization	*Representative(s)*
In Personal Capacity (*36, Old Sneh Nagar, Wardha Road, Nagpur*)	Shri L. K. Jain (***Convener***)
Creative Design Consultants & Engineers Pvt Ltd, Ghaziabad	Shri Aman Deep Garg Shri Manik Chatterjee (*Alternate*)
CSIR–Central Road Research Institute, New Delhi	Director
CSIR–Structural Engineering Research Centre, Chennai	Dr B. H. Bharathkumar Dr P. Srinivasan (*Alternate*)
Gammon Engineers & Contractors Pvt Ltd, Mumbai	Shri S. W. Deshpande Shri Mukund C. Butala (*Alternate*)
Government College of Engineering, Pune	Dr Namdeo A. Hedaoo
Hindustan Construction Company Ltd, Mumbai	Shri Satish Kumar Sharma Shri Mukesh Valecha (*Alternate*)
Indian Concrete Institute, Chennai	Representative
Indian Institute of Technology Delhi, New Delhi	Dr Dipti Ranjan Sahoo Dr Shashank Bishnoi (*Alternate*)
Indian Institute of Technology Roorkee, Roorkee	Dr Ashok K. Jain
Military Engineer Services, Engineer-in-Chief's Branch, Integrated HQ of MoD (Army), New Delhi	Shri J. B. Sharma Shri Yogesh K. Singhal (*Alternate*)
National Council for Cement & Building Materials, Ballabgarh	Shri V. V. Arora Shri T. V. G. Reddy (*Alternate*)
Tata Consulting Engineers Limited, Mumbai	Shri S. M. Palekar Shri S. Krishna (*Alternate*)
In Personal Capacity (*Grace Villa, Kadamankulam P.O., Thiruvalla 689 583*)	Shri Jose Kurian

Organization	*Representative(s)*
In personal capacity (*A2B/37A, Ekta Apartment*, *Paschim Vihar, New Delhi 110 063*)	Shri Arvind Kumar
In personal capacity (*Flat No. 220, Ankur Apartments, Mother Dairy Road, Patparganj, Delhi 110 092)*	Dr V. Thiruvengadam
In personal capacity (*K-L/2, Kavi Nagar, Ghaziabad 201 002*)	Dr A. K. Mittal
In personal capacity (*House No. 2103 Sector 7D, Faridabad 121 006*)	Shri Harish Kumar Julka
In personal capacity (*EA-92, Maya Enclave, Hari Nagar, New Delhi*)	Shri R. C. Wason

(*Continued from second cover*)

b) Deflection coefficients have been included for rectangular tanks.

c) Moment coefficients for rectangular tanks have been revised and enlarged to cover wider range of loading configurations, end-restraint conditions, and width/height ratios.

d) A clause on the ‘ulti-cell tanks’ has been included providing information on how to modify single-cell coefficients for use in the design of multi-cell tanks.

The Committee responsible for the formulation of this standard has taken into consideration the views of engineers and technologists and has related the standard to the practices followed in the country in this field. Due weightage has also been given to the need for international coordination among the standards prevailing in different countries of the world. These considerations led the Sectional Committee to derive assistance from published materials of British Standards Institution and Portland Cement Association, Illinois, USA. Tables have been reproduced from the following publications of Portland Cement Association, Illinois, USA: Rectangular Concrete Tanks (*revised fifth edition*) and the same is thankfully acknowledge.

The composition of the Committee responsible for the formulation of this standard is given at Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated, expressing the result of a test or analysis shall be rounded off in accordance with IS 2 : 1960 ‘Rules for rounding off numerical values (*revised*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Bureau of Indian Standards

BIS is a statutory institution established under the *Bureau of Indian Standards Act*, 2016 to promote harmonious development of the activities of standardization, marking and quality certification of goods and attending to connected matters in the country.

Copyright

Review of Indian Standards

Amendments are issued to standards as the need arises on the basis of comments. Standards are also reviewed periodically; a standard along with amendments is reaffirmed when such review indicates that no changes are needed; if the review indicates that changes are needed, it is taken up for revision. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition by referring to the latest issue of 'BIS Catalogue' and 'Standards: Monthly Additions'.

This Indian Standard has been developed from Doc No.: CED 02 (13704).

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephones: 2323 0131, 2323 3375, 2323 9402 *Website*: www.bis.gov.in

Regional Offices:		*Telephones*
Central	: Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110002	2323 7617, 2323 3841
Eastern	: 1/14 C.I.T. Scheme VII M, V.I.P. Road, Kankurgachi KOLKATA 700054	2337 8499, 2337 8561, 2337 8626, 2337 9120
Northern	: Plot No. 4-A, Sector 27-B, Madhya Marg CHANDIGARH 160019	265 0206, 265 0290
Southern	: C.I.T. Campus, IV Cross Road, CHENNAI 600113	2254 1216, 2254 1442, 2254 2519, 2254 2315
Western	: Manakalaya, E9 MIDC, Marol, Andheri (East) MUMBAI 400093	2832 9295, 2832 7858, 2832 7891, 2832 7892

Branches : AHMEDABAD. BENGALURU. BHOPAL. BHUBANESHWAR. COIMBATORE. DEHRADUN. DURGAPUR. FARIDABAD. GHAZIABAD. GUWAHATI. HYDERABAD. JAIPUR. JAMMU. JAMSHEDPUR. KOCHI. LUCKNOW. NAGPUR. PARWANOO. PATNA. PUNE. RAIPUR. RAJKOT. VISAKHAPATNAM.

Published by BIS, New Delhi